



Freshmen track runner duo
takes home pair of victories

SPORTS B10



The Queen's birthday and
other Tweets of the Week

HIP HOP A8

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University's treatment of animals questioned

By JACK BARTHOLET
News & Features Editor

As Hopkins continues to come under scrutiny for its treatment of laboratory animals, an in-depth investigation by *The News-Letter* reveals that the University has consistently been found in violation of federal law and government regulations.

The violations surrounding the University's care for laboratory animals have drawn stark rebukes from animal rights organizations. In re-

sponse, Hopkins has defended its efforts to curb noncompliance.

Additionally, Hopkins has come under fire for its unorthodox use of live animals as part of its surgical education curriculum at the School of Medicine. The University's animal-based research in general has also drawn both criticism and praise from all sides of what is a divisive issue.

Hopkins is obliged to submit Animal Welfare Assurances to the Public Health Service of the National Institute of Health (NIH) in order to receive public NIH funding for its animal care and use program. The assurances include pledges to abide by NIH policies governing animal welfare and to self-report any deviations from NIH policy.

According to documents obtained by *The News-Letter* under the Freedom of Information Act, Hopkins self-reported eight separate violations of NIH policies governing animal welfare to the Public Health Service from December 2011 through September 2013. These violations resulted in the deaths of 480

SEE ANIMALS, PAGE A3



IVANA SU/PHOTOGRAPHY EDITOR

Participants in the event had to push a Humvee across Homewood Field to raise money in support of the United Service Organizations.

PUSH event raises record \$10,000 for USO

By RITIKA ACHREKAR
Staff Writer

Phi Gamma Delta (Fiji) and the Reserve Officers Training Corps (ROTC) hosted The PUSH on Saturday, in which teams of eight take turns pushing a Humvee 80 yards down Homewood Field. The event drew over 300 participants and raised approximately \$10,000 for the United Service Organizations (USO), a

charity that benefits members of the armed forces and their families.

"It's a fun way to benefit a good charity organization," freshman Jonathan Loewenberg, a participant in the event, said.

The event was founded in 2012 by Michael St. Germain, a Fiji brother who was also part of ROTC. He's currently a School of Advanced International Studies (SAIS) student in Bologna.

"He saw a Humvee push at another campus and thought it could be a really good fundraiser at Hopkins. With his ROTC connections and being in a fraternity, he put

them together and came up with this really good event," senior David Forrester, a Fiji brother and this year's organizer of the event, said.

SEE PUSH, PAGE A6

SGA Class Council members announced

By GEORGINA RUPP
Staff Writer

The results of the Class Council elections were released by email on Monday. This election, which chose next year's presidents and senators for the Classes of 2015, 2016 and 2017, followed the Student Government Association (SGA) Executive Committee election, in which SGA President, Vice President, Treasurer and Secretary were chosen. The SGA Committee on Student Elections compiled the results.

The President of the Class of 2015 is Destiny Bailey, the President of the Class of 2016 is Jahan Mirchandani, and the President of the Class of 2017 is Syed Hossain.

Three elections are held each year: the Freshman Class Council in the fall followed by the Executive Committee and Class Council elections in the spring. Before running, all candidates must attend an information session to discuss topics such as petitioning, campaigning and the election itself.

Senior Laura Perkinson, Chair of the Committee for Student Elections (CSE), manages and oversees all student government elections. She explained the election process in an email to *The News-Letter*.

"The rest of CSE and I

SEE ELECTIONS, PAGE A5

Petition addresses sexual assault

By EMILY HERMAN
Senior Staff Writer

To continue spreading awareness of sexual assault on campus, College Democrats, Voice for Choice, the Hopkins Feminists and the Sexual Assault Resource Unit (SARU) sponsored the Hopkins Against Sexual Assault petition-signing and photo contest Wednesday on the Keyser Quad.

The petition, which

received 223 signatures throughout the day, calls for more comprehensive education about sexual assault in orientation programs and for members of Greek Life, to create an informational website about students' legal rights after sexual violence and for the printing of SARU's anonymous hotline number on J-Cards.

"Our main goal [is] to get freshmen and others on campus aware of this,"

freshman Saakshi Suri, a member of SARU and Hopkins Feminists, said. "Sexual assault is a very serious issue, and the more student groups that get involved, the more awareness [there will be]."

Suri said that putting SARU's hotline number on J-Cards, which currently feature numbers for Campus Security and the Blue Jay Shuttle, might encourage victims to report incidents.

"We get a lot of calls on our hotline, but if more people are able to approach us and get in touch with us, it's better," Suri said.

College Democrats Vice President and senior Leah Barresi said she hopes that this initiative will lead to more transparency about the incidence of sexual assault on campus.

"We also want more honest reporting," Barresi said. "There's really no updates when someone is sexually assaulted or [regarding] cases of sexual harassment. We want students to be more educated

SEE PETITION, PAGE A4

Anti-abortion article targets Voice for Choice

By ASHLEY EMERY
Staff Writer

Students for Life of America, a national pro-life organization of which Hopkins Voice for Life (VFL) is a chapter, recently published an article on its website that assailed Hopkins Voice for Choice (VFC) and their latest fundraising event.

Though no members of VFL contributed to the article, Andrew Guernsey, president of VFL, does agree with the opinions expressed.

On April 4, VFC held a bake sale to benefit the DC Abortion Fund. Among the baked goods sold was a cake in the shape of male genitalia.

According to the article, at VFC's bake sale event, participants "sold yummy cookies and cupcakes in an effort to make sure thousands of babies in D.C.

never had the chance to try them."

The article claims that VFC degrades women by promoting abortion and that it trivializes the issues surrounding the topic. "We're talking about life and death issues," Guernsey said. "I think that their choice of using the imagery of male genitalia is poor

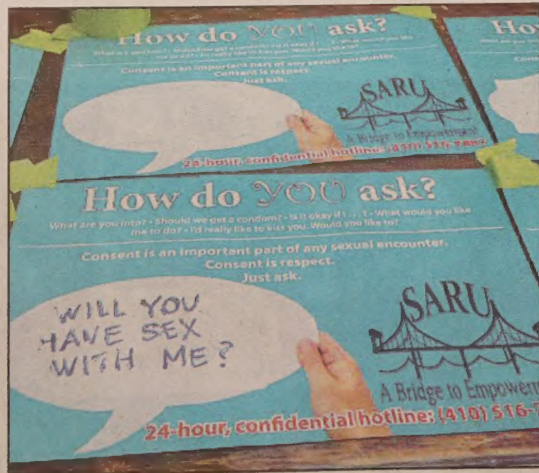
and does not add to the debate, and in fact detracts from the seriousness of the issue of abortion. I believe that women deserve better than being offered an abortion as an alternative."

Vinitha Kumar, president of VFC, challenged this assertion.

"We made the cake to promote taking the stigma off of sexual health. We don't think it trivializes the debate; it's a big issue in our society and should be

SEE CHOICE, PAGE A4

Men can be in
this discussion,
but ultimately,
it's the woman's
decision.
— Vinitha Kumar,
President of Voice
for Choice



COURTESY OF EMILY HERMAN

The petition emphasizes the importance of education on sexual consent.

INSIDE



A9



B2



B9

NEWS & FEATURES

Senior Wilson Fellows present final research

By **ELLIE PENATI**
Staff Writer

Seniors in the Woodrow Wilson Fellowship program presented the culmination of four years of research Wednesday at the annual Woodrow Wilson Senior Poster Session.

The event, which was held in the Glass Pavilion, included an introduction by program director Steven David as well as speeches by four of the 18 senior fellows.

The Woodrow Wilson Undergraduate Research Fellowship program grants funding to a select group of Krieger School of Arts and Sciences undergraduates, allowing them to pursue independent research of their own choice. The selected students work closely with faculty members to conduct their own research throughout their student career.

In his speech, David said that the fellows have successfully defeated the stereotype that only graduate students can conduct significant independent research.

"You have demonstrated clearly that undergraduates can perform meaningful, substantive and groundbreaking research as well," David said. "You have [also] defied another assumption; the assumption that research is simply the province of the natural sciences."

David stressed that Woodrow Wilson Fellows demonstrate that powerful and groundbreaking research can be conducted in the non-science fields.

"It is clear that some of our best students and best projects are those of the natural sciences — and I by no means mean to diminish their accomplishments — but it's also important to recognize that research goes on in social sciences and humanities," David said.

The variety of the research at the event illustrated David's point, as projects ranged from "Global Public Health Impact of Recovered Supplies from Operating Rooms: A Critical Analysis with National Implications" to "Defining Victimhood: An Ethnographic Exploration of Colombia's Victim's Law." The students developed their ideas for their research projects independently.

Some of the fellows mentioned that they applied to the program merely with a hunger for research and developed their plans after being accepted into the program when inspired by their academic ventures.

Shanna Murray, a Cognitive Science and Romance Languages double major, said that the inspiration for her project came from lab work during her sophomore year, for which she did research on reading and spelling.

"A lot of the data I had actually collected before I was even [starting my] project," Murray said. "We collected data from a deaf person, but no one

had analyzed it before. I [thought] 'Hey, that could be really interesting, because the reading is different if you're deaf [and] a lot of people use their knowledge of word sounds and map that knowledge onto letters.'"

Other students described how they entered the program with a fully developed interest and plan, using the Woodrow Wilson Program to provide the means for their research goals to come to fruition.

Molecular and Cellular Biology major Eric Lee Wan described how the program enabled him to prove how unused medical supplies that are currently being wasted can be donated to less developed countries, thus helping to reduce the spread of infectious diseases in areas that have limited access to medical supplies.

"I've used the Woodrow Wilson fellowship to basically travel to Ecuador and bring some medical supplies with me and prove that global surgery is an important aspect of public health," Wan said. "When we think about global health, we think about AIDS and malaria and obesity, but surgical diseases represent around 11 percent of the global disease burden."

Beyond the process of developing a research idea and plan, several students discussed difficulties they encountered throughout their experience. Anna Wherry, an Anthropology and Public Health Studies major, spoke about the difficulties she faced gaining access to politicized events and discussions in Colombia when conducting research for her project, "Defining Victimhood: An Ethnographic Exploration of Colombia's Victims Law."

"Probably the first obstacle was getting people to trust me," Wherry said. "The very first contact I made was with this bureaucrat, and I wanted to attend these different participatory tables where all the victim organizations got together and talked about the victim's law."

Despite the difficulties that the fellows faced carrying out their research, students emphasized the personal value of their research. Psychology major Martha Harrison said that research became a valuable endeavor for the researcher and the community, especially if it is rooted in a personal passion.

"This is a unique grant because you can study anything you want, and so you should," Harrison said. "You should study something you're truly passionate about because you don't get that opportunity. You become a professional in a specific field, and you pursue things for an ulterior reason or professional purposes. This is for you. Do something you really love and care about and it will show and other people will care about it too."

The HOP presents the third Amazing Race

By **JANE JEFFERY**
Senior Staff Writer

The HOP hosted its third annual Amazing Race on Saturday at 2 p.m. on the Beach. The race challenges teams of two to complete a variety of tasks that require them to travel all around campus.

Rebecca Wilson, the director of marketing for the HOP, organized the event and took part in designing the challenges.

"The Amazing Race is an event where 25 teams of two race in ... tackling an obstacle course, finding an M&M among cups of icky drinks, taking a picture with the Humvee at The PUSH and answering questions about Hopkins and its history," Wilson said. "The final leg entailed each teammate having to spin around a dizzy bat and use a small cup to move water to the team's bucket on the other side of the Gilman Quad."

The three winning teams received cash prizes. Juniors Ardian Latifi and Brian Allen came in

first place and won \$300. Juniors Mark Spencer and Kotaro Mitsuhashi, who finished in second place, won \$200; freshmen Elana Stroud and Rachel Hoang finished in third and won \$100. All of the competitors received drawstring bags.

"I competed in the race last year and placed third," Latifi said. "I only wish there had been more mental challenges; it seemed as though the race heavily relied on physical talent. However, the riddles in the clues to each challenge were sometimes tricky to figure out, and there was a Hopkins trivia challenge. These added some freshness to the race and really tested different aspects and qualities of the competitors."

The winning team reported that they had to endure physical pain in order to win.

"My least favorite challenge is definitely one of the first ones, where I had to take a shot of hot sauce," Allen said. "It was pretty painful and hard to

run with an upset stomach."

The team that placed third walked away with more than its prescribed \$100.

"Even better than [the prize was that] at the end of the race the HOP had some extra super-soaker water guns they didn't want that [Rachel Hoang, my teammate,] and I got to take back to the dorms. We've wreaked havoc ever since," Stroud said.

Some competitors were motivated to participate because they are fans of *The Amazing Race*, a reality series that is currently in its 23rd season.

"I'm a huge fan of *The Amazing Race*, so when I found out that the HOP was sponsoring an event based on it, I jumped at the chance to participate, and I'm so glad I did," Hoang said. "The race, all in all, was so much fun, and even though we didn't get to travel around the world, it was awesome running around campus doing all these random tasks."

Most competitors approached the race lightheartedly and enjoyed the challenges.

"It was literally the most I've exercised in two years — I hate physical activity," freshman Kylie Liu said. "But it was awesome because I was doing this with my boyfriend, who's very athletic, and it was funny for him to watch me suffer through the running."

Liu's team finished seventh out of the 25 teams that participated.

Most teams completed all the challenges within an hour. Many team members were able to use a combination of physical and mental skills during the race. They drew upon their experiences and knowledge in academics, sports and other hobbies.

"My favorite challenge was the challenge in which your partner threw a tennis ball and you had to catch it in a bucket," junior Daniel Zatarian said, believing his high school tennis practice had paid off.



Many of the challenges in Saturday's Amazing Race presented by the HOP on the Beach required physical fortitude, while some tested mental skills. IVANA SU/PHOTOGRAPHY STAFF

Over 400 attend the 12th annual TASA Night Market

By **EMILY HERMAN**
Senior Staff Writer

The Taiwanese American Students Association (jhuTASA) drew over 400 people to its 12th annual Night Market in the Matin Courtyard on Sunday, sharing homemade Taiwanese food and collaborating with fellow Asian interest groups.

The event raised more than \$600 for the LOSHA-SA Charity Foundation, which provides health care to underprivileged people in China.

"We do this to not only spread awareness of Taiwanese culture but [also] to bring together a lot of student groups," junior Lisa Ni, jhuTASA co-president, said. "[In past years,] all the burden was on us, [but] we have more student groups participating than ever before. It's exciting to see such a great turnout because each year it just gets bigger and bigger."

A number of Asian organizations, including the Chinese Students Association (CSA), the Hong Kong Students Association (HKSA), Japanese Students International (JSI) and Singaporean Students Association (SSA), as well as Asian-interest fraternities Lambda Phi Epsilon and sororities alpha Kappa Delta Phi and Sigma Omicron Pi, prepared and served delicacies from their respective cultures.

"We are all about col-

laborative events among Asian groups, [and] this is the perfect example of one," senior Brook Jeang, co-president of the Inter-Asian Council (IAC), said.

The IAC provides organizational and financial support to all the Asian interest groups on campus.

In addition to Hopkins Asian groups, students from other chapters of the Intercollegiate Taiwanese American Students Association (ITASA), including representatives from Towson University and the

of [our] cultures are the same," Wang said. "Taiwan and China have [always] been strongly connected."

Junior Cain Lu, a member of JSI, said the Night Market provided an opportunity for Asian students to share their cultures within the Asian and the general communities at Hopkins.

"It's great to let people know we have great food and an awesome culture," Lu said.

Alex Ting, a School of Public Health student and

also performed.

"I wish there were more events like this on campus, [because] it's just a nice way to get different cultures together and try something new," freshman and SLAM member Erin Hedglen said.

Senior Stephanie Murdock, a member of multicultural sorority Delta Xi Phi, said she was happy to see such a large and diverse crowd.

"Even though it's an [Asian cultural group's] event, you can see people from all different backgrounds coming together and supporting them," M u r d o c k said. "It adds great atmosphere."

This year's Night Market included several new games, including sumo wrestling and a bun-eating contest.

"We're known for our good food, but the games were more successful this year," sophomore Austin Ko, jhuTASA cultural chair, said.

Although jhuTASA members said they were pleased with the overall success of the Night Market, many of them had ideas to further develop and improve the event in the future.

"In comparison to past years this [year] has been the best, but I wish that groups had prepared more food because it ran out really quickly," Jasmine Wang, jhuTASA secretary, said.



The TASA Night Market offered Sumo wrestling and a variety of homemade Taiwanese cuisine. IVANA SU/PHOTOGRAPHY STAFF

University of Maryland, Baltimore County, came to show their support at the Night Market.

Students from the many different participating groups, such as freshman Samantha Wang, CSA website designer, said that they enjoyed working alongside fellow Asian groups within the Hopkins community.

"It's always good to keep good relations [between CSA and jhuTASA] because we speak the same language and parts

former member of Lambda Phi Epsilon, said he enjoyed the event and found it comforting.

"We made food using recipes that some of our bros [sic] knew, passed down from their parents," Ting said.

The event also featured cultural performances from the Lion Dance Troupe, a traditional Chinese performance group, and JOSH, an Indian Fusion Dance Group. Other dance groups, including the Eclectics and SLAM,

Errata: April 17, 2014

On page A1 of our last edition, we incorrectly stated that Pi Kappa Alpha (PIKE) held a "tailgate mixer" with Phi Mu sorority. In actuality, this event was an open tailgate, not a mixer.

The News-Letter regrets this error.

NEWS & FEATURES

Animal care and use under fire for AWA violations, unorthodox surgical program

ANIMALS, FROM A1
different animals, including one guinea pig, two monkeys, six rats and 471 mice.

The incidents occurred under different circumstances, ranging from researchers deviating from approved protocols to dangerous housing conditions.

In one case, NIH's Office of Laboratory Animal Welfare (OLAW) determined that Hopkins employees had neglected to appropriately check that the animals' watering systems were functional.

"According to the information provided, OLAW understands that 18 mice died after an animal care technician failed to properly set up a watering system on a Friday in February 2012, and the animal care technician on weekend duty failed to determine that the system was working properly over the weekend," NIH wrote in a letter to the University.

In a similar, separate instance, 24 mice died from dehydration when University personnel failed to notice a leak in a water line.

In June 2013, when a hot water hose burst, another 419 died. NIH chastised the University for having inadequate monitoring capabilities.

"The room did not have an alarm to notify staff when temperature and humidity levels were outside the established parameters," NIH wrote in a letter to the University.

Hopkins reimbursed NIH for the cost of the publically-funded animals.

In a particularly tragic instance, a female nonhuman primate died after getting her arm caught in between a doorframe and a fence support beam outside. She was unable to escape and died overnight from exposure.

"The presumptive cause of death was stress induced by the limb entrapment with hot outdoor ambient temperature," NIH wrote in a letter to the University.

Yet in that instance, NIH said that the case was a "highly unusual and unique occurrence" and that no specific steps could be taken to prevent something similar from occurring in the future.

Hopkins has a record of committing violations of NIH policy. According to People for the Ethical Treatment of Animals (PETA) and documents it has obtained from NIH, from August 2005 to April 2008, the University reported 11 serious instances of noncompliance with NIH's Guide for the Care and Use of Laboratory Animals. In 2007, two squirrel monkeys died as a result of dehydration due to a malfunctioning water line and neglected care over Labor Day Weekend. In separate occurrences, two differ-

ent squirrel monkeys were killed as a result of unsafe lab animal environments.

More grievous violations have been documented as well. Alka Chandna, a senior laboratory oversight specialist at PETA, said in summarizing the noncompliances.

"In violation of federal law, several JHU experimenters deviated from the protocol approved by the Institutional Animal Care and Use Committee (IACUC) or initiated experiments on animals before the IACUC had even reviewed the protocol," Chandna wrote in an email to *The News-Letter*. Animals at JHU were harmed as a result of this lackadaisical attitude toward the regulations and guidelines governing the use of animals in laboratories. In one case, the experimenter performed a surgical procedure on a mouse of a different age from what was described in the approved protocol. The experimenter had not consulted a veterinarian or the IACUC in making the change, and only when a technician heard the mouse pup 'squeaking' during the procedure was it determined that the pup had been insufficiently anesthetized."

Hopkins has also been cited by the Animal and Plant Health Inspection Service (APHIS) of the U.S. Department of Agriculture (USDA) several times over the last couple of years for violations of federal law — in particular, the Animal Welfare Act.

"The USDA inspects us at least once a year, and it's totally unannounced," Dr. Robert Adams, the director of laboratory animal medicine and the associate provost for animal research and resources at Hopkins, said.

The USDA typically spends an entire week at the University reviewing its facilities and practices during the yearly reviews.

"There have been times where they have come and have seen some peeling paint, and they'll cite us for that, or they'll see a rusted pipe, and they'll cite us for that," Dr. Nancy A. Ator, chair of the University's IACUC, said.

In a report dated Aug. 27, 2013, Hopkins was cited for five separate violations of the Animal Welfare Act, only two of which were related to the facilities themselves. The other three involved the University's Animal Care and Use Committee. These violations included the committee's failure to ensure that protocols were sufficiently detailed, the fact that animals were being used in protocols that had been expired for over a year and the committee's failure to make sure that a protocol gave a sufficient justification for the number of ani-

mals being used.

"Since the IACUC plays a key role in ensuring adherence to federal regulations and guidelines at an institution, the USDA considers IACUC violations to be gravely serious," Chandna wrote.

Chandna underscored the severity of failures on the part of the IACUC.

"There have been IACUC violations, so violations committed by the oversight committee, which the USDA considers to be gravely serious because the IACUC is considered to be a very important component of oversight in laboratories. And so when there are failures of the IACUC, it means that the oversight system is basically falling down," Chandna said.

She said that while these types of violations are not necessarily atypical among institutions, they nevertheless represent a particularly grave failure that necessitates correction.

"These types of problems do exist at other universities, there's no question about it ... But I might suggest that rather than comparing with other universities, I think the better question and the easier question to answer is 'Is this appropriate for the IACUC — which is supposed to be the animals' last hope for what might be considered humane care, at least what the federal government would consider humane care — is this appropriate for the IACUC to be so negligent, and we of course feel strongly that it is not. In fact, it's their responsibility, it's their legally-mandated responsibility, and for the IACUC to have failed so consistently at Hopkins is really, in our view, problematic," Chandna said.

Other violations cited in prior reports include situations where the University failed to ensure that personnel working with animals had the proper qualifications and the failure to practice proper veterinary care for animals suffering from painful lesions.

One violation that APHIS cited Hopkins as having committed in a reported dated May 22, 2012 pertained to the psychological welfare of animals.

"Certain nonhuman primates must be provided special attention regarding enhancement of their environment, based on the needs of the individual species and in accordance with the instruction of the attending veterinarian," the report said. "The primate enrichment plan and the study protocols call for pair or group housing in the majority of animals, however, many animals were singly housed at the time of inspection."

Chandna also underscored the importance of social interactions among

primates.

"It's bad enough — and this is acknowledged by primatologists — it's bad enough when primates don't have ... contact with other monkeys," she said. "They are a social species just like us, and it's considered psychologically devastating for them not to have social contact. And yet, there were these primates at Hopkins who were absolutely deprived. It would be like putting a human in isolation ... And it's well acknowledged that that's considered even more devastating and torturous than actual physical torture."

For their part, University officials defended their care of animals.

"Well, the way the program is set up is responsive to the requirements of the Public Health Service and the Animal Welfare Act," Ator said.

Ator and Adams said that their self-reporting of noncompliance to NIH (which is not related to Animal Welfare Act violations cited by the USDA) is based upon the philosophy that the more they report, they better off the University will be.

"We're reporting everything," Adams said. "I think the way we do it now is we report everything and let them decide if it's a minor thing that wasn't a big deal. And so I think you'd probably see over the years that we've reported more, but I'm not sure that it was because there was more happening. I think we're just more cognizant that we have to report them all."

Ator said that she believes Hopkins to be no more delinquent than other institutions, relative to its size, based upon her conversations with NIH officials.

"I once asked one of my contacts there — I think that was a year I was worried, you know, there may have been four or five [reports of noncompliance] — I said, 'How do we look? How do we look in comparison to other institutions?' And he said, 'Well, the size of the program that you all have, the number of issues that you report is, in a way' I don't know if he said 'to be expected,' but in other words, is not problematic ... In his point of view, we are doing what we need to do," Ator said.

She also added that any institution like Hopkins will inherently have violations that need to be addressed.

"A program that never reports anything, they don't believe that that's true," Ator said. "You know, human nature, good employees, bad employees, people screwing up, labs and equipment, facility issues — they are gonna happen. And what they want to see is that we recognize that we have an obligation, this is to PHS by virtue of our public funding, we have an obligation to follow their program, their requirements, and report. And they, frankly I've said, I really don't feel uncomfortable at all calling them and reporting things because it really comes across as feedback from them as well as training me better in the things I need to know as reportable or not reportable."

Ator and Adams highlighted their efforts to reduce violations of federal law, NIH regulations and University policy through educational programs for those working with animals and a disposition to act not as a stern enforcer, but rather as a resource.

"Another thing I think is good about our program

is that our budget was such that when I took over, that I wanted to use it to give something back to the researchers," Ator said. "So we have increasing demands, regulatory demands, on how they have to do their protocols, what things they have to get approvals for, and I wanted to be able to do something that would be a return to them on the indirect costs that they bring into the University is the way I thought of it. So we have two workshops that we run every other month

year-round that we've run for a decade now on rodent handling and one on rodent surgery. And they're kept small, like 10 people max, where the veterinarians work with our staff to teach new people coming in — students or staff, whoever — how to

do things that they'll need to do in general if they're gonna be working with rodents, which are the primary types of species that are used to teach them. Because that is another part of the mandate in the federal requirements, is that the University is responsible for assuring that the people who are doing the work know how to handle the animals and how to do what they're gonna do."

"What we do really try to foster is an atmosphere where we're not police, we're colleagues and we want to all work together to prevent things like this," Ator added. "And we found that that was my belief that this is the only way to have people feel comfortable talking to you about their problems because it's the biggest problem for us and the oversight of the program if nobody wants to tell us anything."

In 2005, Hopkins reached a settlement with the USDA, agreeing to pay \$25,000 in fines for animal welfare violations.

Unorthodox medical school program

In addition to the University's care for animals, critics have argued that the way Hopkins uses animals in education and research is inappropriate.

According to the Physician's Committee for Responsible Medicine (PCRM), Hopkins is only one of two medical schools in the United States and Canada that uses live animals in educational programs to teach medical students surgical techniques. The other medical school is the University of Tennessee, which only permits the practice at its Chattanooga Campus.

"So, here is Johns Hopkins Medical School, a revered, respected, top-tier medical school in the U.S., and they are partnered with the Chattanooga Campus of the University of Tennessee — that's one of three Tennessee campuses — they use animals to train medical students in surgery techniques. It's absurd on the face of it," Dr. John Pippin, PCRM's director of academic affairs, said.

Adams contended that PCRM's statistics are not an accurate reflection of medical schools' practices.

"Well that's not true," Adams said. "Unfortunately the organization you got that information from is very selective in what they do. After that came out, I polled my colleagues, and I got better numbers. There are more institutions that use them."

Yet Pippin countered Adams' assentation.

"They're lying to you," Pippin said. "We have proof. Out of 187 accredited medical schools in the United States and Canada, we have the entire list — we've contacted every one of them, some of them several times — medical schools in the U.S., well Canada ended this some time ago, but medical schools in the U.S. have been ending animal use at a steady pace for a number of years, such that now only four of those 187 programs in the U.S. and Canada use animals. Only two use animals to train medical students regarding surgery techniques."

Pippin chalked up the University's refutation of PCRM's statistics as nothing more than an attempt to save face.

"What you were told is false, and is an attempt to deflect from the fact that Hopkins is far behind the curve in educating medical students in surgery," he said.

Hopkins administrators widely cited student feedback as driving their continued support for the use of live animals in the surgical educational program, where junior medical students perform dummy surgery on anesthetized pigs.

"We're well aware that there are different points of view about the value of that and the importance of that [using animals for medical training], and last year ... [we] were asked to attend a meeting of the education committee of the School of Medicine where this was one of the topics that they discussed, the value of that course and a review of it, and there were a couple presentations on the program," Ator said. "And the best part, in a way, was the student who agreed to give the talk about the value of it. And they had done their own survey among themselves and with former students, and they were really quite adamant that that experience with a live animal was invaluable in their medical training — that simulations can only go so far. You know, talking to the MD's who teach it and the veterinarians that oversee it, because it has active veterinary input to make sure that everything is done appropriately, the veterinarians — I know one of them in particular who said to me how the students really engage and realize how significant it is to be working with a live animal."

Likewise, Dr. Roy C. Ziegelstein, the School of Medicine's vice dean for education, said that irrespective of other medical schools' programs, Hopkins was retaining their live animal surgical training program because of input from students.

"I can't speak for other medical schools, but I can say that our students highly value our surgical training courses," Ziegelstein wrote in an email to *The News-Letter*.

Hopkins administrators said that the focus was on education.

"The use of animals in our education component of the School of Medicine is something that is a perennial issue, but it's something that, it's not just about the animals, it is, like Dr. Ator said, about the curriculum and about our standing as a medical school and the value that our current and previous students have felt that it adds to the program," Audrey Huang, Hopkins Medicine's director of marketing and communications for research and education, said.

"We are not going to bow to some outside organization that says, well, you're the only people that do this. We do this because we feel that its appropriate," Adams added.

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NEWS & FEATURES

Pro-life organization's article stirs discourse

CHOICE, FROM A1
discussed," Kumar said. "The point of making that cake wasn't to mock it."

Kumar emphasized that the mission of the group is to promote and educate others on sexual autonomy and reproductive health.

"I don't think that when we fund women who need abortions, we degrade them," Kumar said. "We encourage a conversation and healthy debate; the problem with the article is that it just attacks an event we had and isn't productive. We in no way want to stop Voice for Life from saying what they have to say."

Guernsey mirrored the article's condemnation of VFC for promoting abortive practices.

"I believe that abortion hurts women physically and emotionally," he said. "I will not comment on the fact that the article states that abortions degrade women."

He believes that abortions are harmful to women and that they need and deserve better, particularly from men. He stressed that he believes that abortion is a cop-out for men.

"Abortion facilitates a culture of men getting out of the responsibilities of fatherhood," he said.

Kumar asserted that VFL believes that the choice to abort a child is a choice that the woman alone can make.

"Men can be in this discussion, but ultimately it's the woman's decision," she said.

She acknowledges abortions as a culmination of struggle and emotion, but she does not believe that the abortion is the catalyst of trauma.

"I don't think that the abortions cause emotional damage; usually it helps them," she said. "In many cases, botched abortions can be harmful but that's because of poor access or methods. That's why we have promote resources where there's no judgment or stigma and you can get real help."

The goal of providing safe care for women motivated VFC's choice of the DC Abortion Fund as the recipient of the bake sale's fundraising.

The DC Abortion Fund is an all-volunteer, non-profit organization that makes grants to women and girls in Washington, D.C., Maryland and Virginia who cannot afford the full cost of an abortion.

However, Kumar did stipulate that VFC is not pro-abortion.

The Students for Life in America article labeled VFC as a pro-abortion group.

"I think 'pro-abortion' was used to make the pro-choice side look more extreme," she said.

Kumar said that their efforts have and will also benefit organizations such as Planned Parenthood; however, she understands that giving funds to an organization that has abortion in the name can carry a stigma.

"As a club, we stand for pro-choice, not pro-abortion. We believe that it's your choice and you can have an abortion whenever you want," she said. "Both

We believe that it's your choice and you can have an abortion whenever you want.

**—VINITHA KUMAR
VFC PRESIDENT**

the DC Abortion Fund and Planned Parenthood have the goal to make sure people have safe care."

Guernsey shares the desire to help women, but wants to do so through education about their resources as expectant mothers.

"We want to promote pregnancy resources on campus and create an environment on campus in which women don't have to choose between their career and their child," Guernsey said.

When asked to consider other situations in which women elect to abort — such as rape — Guernsey maintained his stance.

"However, we also recognize that there are many circumstances that factor into why women often feel pressured to have abortions," Guernsey said. "We believe that abortion is wrong, regardless of the circumstances, due to the fact that the child has the right to live, but we want to do what we can with expecting mothers they need and deserve."

He did emphasize that VFL respects all women on campus who might have possibly had an abortion.

"We have been absolutely respectful of individuals who have shared their testimonies, but at the same time, we wish to promote healing," he said.

SARU spreads sexual assault awareness

PETITION, FROM A1
on what their rights are, and if they are victims, who they could go to."

The event also featured a contest designed to encourage fraternities and sororities to participate in building awareness of sexual assault. Pi Beta Phi won \$250 from the Office of Student Life for having the highest percentage of its members sign the petition out of all the participating sororities. The winning fraternity is still being calculated.

While 105 women from all five Panhellenic sororities signed the petition, only 42 fraternity members from five fraternities signed it. College Demo-

crats Co-President and junior Akshai Bhatnagar said that this indicates a lack of awareness of the issue among fraternity men.

"We're a bit disappointed in how few fraternities are showing up," Bhatnagar said. "We're trying to just raise awareness about this issue [and] include people who don't usually think about these certain events [or] come to all the sexual assault events that this school has. It seems like [advocacy groups are] not targeting the communities that need this message most."

Bhatnagar also said that the current orientation program does not give incoming students accurate

information about the prevalence of sexual assault.

"We feel like the orientation program is overly dismissive of the issue and treats it [as if it is] funny and [to be] avoided, rather than something that's really serious," Bhatnagar said.

Junior Carrie Resnick, co-president of College Democrats, said the four groups plan to bring the petition to the administration soon.

"We've been working with Dean Boswell on this event," Resnick said. "We're going to go show her and other members of the administration the support we got for this, so hopefully then they'll im-

plement some of the ideas."

Although junior Eliza Schultz and sophomore Carlene Partow also recently wrote a petition about sexual assault, their petition focuses on changing the administration's Sexual Violence Policy rather than on spreading awareness of the issue. This policy details how the University is required to respond to cases of sexual assault.

"We really support [that] petition, too," Resnick said. "We think it was a really good start in getting people to think about what the school does and what the school should be doing. We think that together they will make a big difference on campus."

Blue Jay Shuttle route extends to Hampden



Hampden is now accessible to Hopkins students via the Blue Jay Shuttle. The Hampden line joins the existing four shuttle lines and connector.

By SARI AMIEL
Staff Writer

The Student Government Association (SGA) and the Office of Transportation have spearheaded the expansion of the Blue Jay Shuttle service to include a new route that goes to Hampden. For the past four Saturdays, the new shuttle line has run from 12:30 p.m. to 5:45 p.m.

"The main reason that we wanted to start a shuttle to Hampden was because we wanted to encourage students to get off campus more and integrate us more into the Baltimore community," freshman SGA Senator Adelaide Morphet said. "There's this awesome, quirky city right outside our doors, and I think we should get out and explore it."

Senior SGA Senator Jake Peters, agreed with Morphet.

"Students in general don't get out into the city of Baltimore as much as they probably should or as much as they want to," Peters said. "A lot of it has to do with access."

Since last semester, Morphet has been working on this project with Peters and SGA Senior Class President Sean Glass in a subcommittee of Student Services Committee, a group within the SGA.

Executive SGA President Alex Schupper was also involved in the process. Greg Smith, the associate director of parking and transportation, played a role in the decision to extend shuttle service to Hampden in particular.

The planners also considered Towson and Fells Point as shuttle destinations, but since students can already take the Charm City Circulator, the MTA or the JHMI to those neighborhoods, they decided against them.

"When we were considering what would be most

cost-effective, what would hopefully get the most ridership and what would be sustainable and [approved by] the administration, it was Hampden," Morphet said. "That was probably my favorite [proposed destination]."

Before the committee took action to make changes, students were able to take the shuttle to Hampden only through utilizing the Blue Jay Shuttle's Night Ride service.

"[Hampden is] just far enough that walking is impractical in a lot of cases," Smith said. "The costs of doing it are minimal for a short period of time."

Peters also supported the institution of the new route.

"We like the idea of having a direct route to a place like Hampden where people want to go a lot," Peters said. "[Visiting Hampden] can be more spontaneous."

The Blue Jay Shuttle currently runs four other lines as well as the 33rd Street Connector. The Hampden line will be unique from the other four in that it goes directly to a specific venue and back rather than making multiple stops along a fixed route. Like other lines, the Hampden line picks students up at the Brody Learning Commons (BLC).

The Hampden line is still on trial. According to Smith, the office of transportation will finalize the decision on whether or not to make the new shuttle line permanent later this summer. The SGA is financing the spring trial run, which cost approximately \$500, but the Blue Jay Shuttle budget will fund the Hampden line if it is reinstated permanently next fall.

The decision will be based on the Hampden line's ridership and reviews throughout the remainder of this spring

semester, which will have run on seven Saturdays in total. So far, Smith has ridden the shuttle twice and Morphet will be riding it for the first time this coming weekend.

"Everyone that's used it has been very happy with it," Peters said. "I think that it's one of those programs that you can't really judge off just a few weeks in the spring."

When Smith asked riders whether they appreciated the service, he received many positive reviews. However, he says he has not received as much feedback as he would have liked to hear.

"In a perfect world, we would have conducted a trial during both the fall and the spring semester," Smith said. "If we decide not to do the service on a year-round basis, we may still run it in the fall before making a determination."

Members of the Student Services Committee used posters, flash ads and Facebook networking to advertise the establishment of the new shuttle service.

"We tried to publicize it as much as we can, but I think it's hard to stream-line information to students, and I don't think everyone knows about it yet," Morphet said.

The SGA also contacted businesses in the Hampden area to try and arrange discounts for Hopkins students.

"There were a lot of positive receptions, but not a lot of follow-through," Peters said.

Schupper did advertise one major discount in an email to the student body prior to the first Saturday that the Hampden route was in service. If students showed their Hopkins IDs, they were offered 50 percent off of their purchases at Grano Pasta Bar and Grano Emporio in Hampden.

Schupper's email did

not specify when this discount would expire. However, according to Gino Troia, the owner of Grano Emporio, this 50 percent discount only applied from 12 p.m. to 5 p.m. on March 29, which was the first Saturday of the Hampden line's trial run.

"To introduce ourselves to students, we will do 50 percent off on that day ... for five hours," Troia said. "Now, everybody's calling here to see if we are actually doing 50 percent off the check ... That is the wrong information, and I am actually very embarrassed if someone has deceived a student like that."

However, according to senior Sean Glass, two students informed the SGA that they were not offered the 50 percent discount when they went to Grano on the afternoon of March 29.

Because the SGA only received hearsay evidence from both of the parties that were involved, it is unable to make a conclusion or take action.

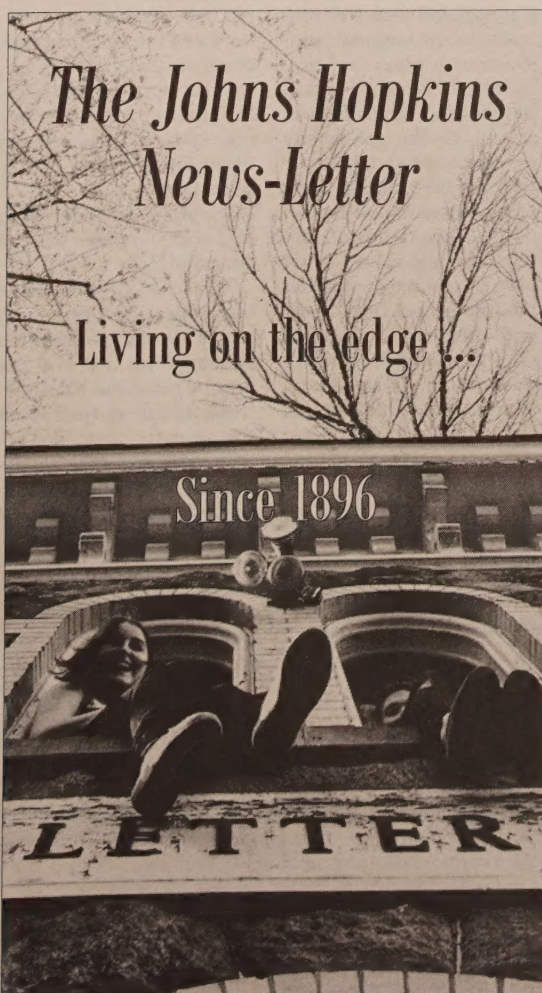
"I can't say definitively that they didn't [receive a discount]," Glass said.

Overall, both Morphet and Smith had positive reviews of the new service to Hampden.

"I think it's a great connection to Hampden and encourage students to take advantage of it as they look to get out into Baltimore more," Smith said. "Hampden has a lot to offer, especially great restaurants and eclectic shops ... Management is excited about the trial and would like to see its success."

Morphett agreed.

"I hope that everyone just takes this opportunity to get out there, have fun [and] embrace this beautiful weather and the cool neighborhood that's literally right outside our door," Morphet said.



NEWS & FEATURES

SGA class senators elected for 2014-2015

ELECTIONS, FROM A1
review each of the candidates' petitions to verify their signatures, and I also approve all of their campaign posters and answer any questions candidates may have during the election," Perkinson wrote.

Each candidate must collect 100 student signatures in order to get their name on the ballot. Candidates have the option of running individually or as part of a ticket. Many candidates choose to campaign through posters and social media.

Destiny Bailey, President-elect and current President for the Class of 2015, enjoyed the campaign.

"The process was exciting and adrenaline-inducing, as races usually are," Bailey wrote.

Freshman Ale Saichin, one of six Senators-elect for the Class of 2017, reflected positively on her first campaign experience.

"The campaign process and election was really about getting my name out there," Saichin wrote in an email. "I went around the FFC and introduced myself, which was very intimidating at first as I thought no one wanted me to interrupt their dinner! I garnered positive responses through this."

Saichin was inspired to run for Class Council after making several suggestions regarding school or student-life improvements to existing officers, often without receiving a response. She ran as part of a ticket with two other senators and a presidential candidate, all of whom were elected.

Class of 2016 President-elect and current class President, Jahan Mirchandani, found the campaign process to be rigorous.

"I essentially had to forget that I was a full-time student enrolled at a University and instead act like a politician, spending all day campaigning," Mirchandani wrote in an email to *The News-Letter*.

Bailey agreed with Mirchandani.

"I will admit, it was a long process and I was both mentally and physically exhausted by the end of it!" she wrote. "After seeing the hard work that every candidate puts in, you gain so much respect for each and every one."

Neither Mirchandani nor Bailey are new to student government. Mirchandani has served in the SGA since being elected senator the fall of freshman year. He described his experience as enjoyable and rewarding, particularly due to improving dining services and organizing events like the Aquarium Formal.

Bailey is also an experienced SGA member.

"This organization has changed my life, both in high school and in college," Bailey shared in an email. "For me, SGA is one of those experiences that I can't use words for."

In her three years on SGA, Bailey has learned a great deal about being a leader, working on a team and using constructive criticism as a means for personal growth, she explained. She said she is motivated by the difference she has been able to make at Hopkins with the help of peers and fellow senators.

Elected officers, presidents and senators alike have expressed many goals for next year.

Saichin hopes to continue promoting sustainability on campus.

"Some goals I have in-

clude getting more compost bins on campus and reducing the amount of waste we produce as a student body. I'd love to try and install more dual flush toilets where possible," Saichin wrote.

Mirchandani's main goal is to centralize off-campus housing information, including compiling reviews for rising upperclassmen or potential subletters. Some of his other goals are ensuring student input in the Commencement speaker selection process, extending hours at Levering Café and Nolan's and maintaining SGA transparency through monthly updates.

Bailey's major goals include increasing transparency and student involvement regarding the Commencement speaker selection process.

"This year's Senior Class Council truly left us with big shoes to fill, but I'm positive the entire class will work together to make sure our year is as fun and memorable as we deserve," she wrote.

Bailey's and Mirchandani's candidacy, among others, was endorsed by the Advocacy and Awareness Alliance, a coalition of groups committed to diverse political and social activism on the Hopkins campus.

Their endorsement statement, which was posted on Facebook, summarized the Advocacy and Awareness Alliance's position.

"We believe that all students groups deserve equal opportunity of funding, especially in the form of annual budgets, and that the SGA budget and grant appropriations process should be made more transparent. We take these positions because we aim

to increase the political activism and civil discourse on campus," the group wrote.

Junior Carrie Resnick, co-president of Hopkins College Democrats and head of their Finance Committee, explained the decision to endorse 10 candidates in an email.

"We chose these candidates because of their support for the amendment regarding Advocacy and Awareness club funding that is being considered by the SGA today, and for their support for Advocacy and Awareness club funding on the whole," Resnick wrote.

Bailey is thrilled to spend more time on SGA.

"I know that all those elected are passionate and diligent people," Bailey wrote. "You can only imagine how humbled it has made me to be at this amazing institution and to be constantly trying to make it better with passionate students and others around me. It is an honor."

Students also voted on a referendum for the University to divest the portions of its endowment that are in fossil fuel industry stocks. 73 percent of voters supported the referendum.

"Considering that divestment will fuel political and societal action around climate change without diminishing our endowment, it is not surprising that so many Hopkins students support it," Students for Environmental Action member Maggie Weese wrote in an email to *The News-Letter*. "Seeing these numbers makes us hopeful for a socially, economically, and environmentally successful future."

Earth Week encourages sustainability endeavors

By **RITIKA ACHREKAR**
Staff Writer

Environmental activist groups on campus teamed together to organize Earth Week, a series of events to inform students of Hopkins's environmental impact.

"The campus and all the sustainability groups wanted to make Earth Week to raise awareness on campus," Hannah Farkas, a freshman and a member of the Students for Environmental Action (SEA), said.

Several groups, including the SEA and Outdoor Pursuits, set up booths on Keyser Quad for their Free Store event Tuesday. The groups gave out items such as stuffed animals, water bottles, bamboo utensil sets and condoms.

"They gave out an award for the greenest group on campus [to] Take Back the Tap," Maggie Weese, another freshman SEA member, said. "This group is in charge of putting water bottle fueling stations on campus. They also monitor sinks and toilets."

University President Ronald Daniels also made an appearance at the event, giving a speech commending the efforts made to improve campus sustainability.

"A lot of students came out to hear President Daniels's speech, to talk about Earth Week and what it means for the campus,"

Farkas said. "He also acknowledged some of the student groups, like Take Back the Tap. I think [Daniels's involvement] is helping sustainability become a larger issue on campus."

On Wednesday, the Hopkins Sustainability Network hosted the Green Lacrosse Game vs. Villanova, which was Hopkins's last home game of the season. At the game, fans played games to learn about recycling and composting.

It was just nice to see a lot of environmental groups get together.

—FRESHMAN
OLIVIA WEESE

"It was supposed to be waste-free, and the Sustainability Network Student Leadership Program had a table set up at the event," Farkas said.

On Thursday evening, SEA will show the 2012 movie *The Lorax*. The film, based on the Dr. Seuss book of the same name, is about a creature that tries to protect the environment.

"It was just nice to see a lot of environmental groups get together," Weese said.

Farkas hopes that the collaboration between the group leads to greater awareness.

"I think the main goal of this week and all the events is mainly just to promote awareness on campus and get people to pay more attention to how their daily actions will affect the sustainability of this campus. We're just trying to get this to be a more prevalent issue on campus," Farkas said.

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NEWS & FEATURES

SHARE fair discusses global health issues

By AUDREY COCKRUM
News & Features Editor

The Hopkins chapter of Supporting Hospitals Abroad with Resources and Equipment (SHARE) hosted the SHARE fair in Charles Commons Ballroom on Saturday afternoon.

"We brought together our Medical School SHARE Leadership team with the undergraduate SHARE Leadership team to host a time for students to come experience demonstrations done by the med students...[and] to ask questions regarding medical school," senior Suzy Cho, co-president of SHARE, wrote in an email to *The News-Letter*.

The keynote speaker at the fair was Dr. Fizan Abdullah, a pediatric plastic surgeon at the Hopkins Hospital and an advocate of the SHARE program. Abdullah dis-

cussed his experiences in international medical service and was well received by his audience.

SHARE was founded at Hopkins in 1991 by Dr. Richard J. Redett, who is still the organization's advisor today. Redett is also the director of the Pediatric Plastic and Reconstructive Surgery Johns Hopkins Cleft Lip and Palate Center, associate professor at the Johns Hopkins Hospital and co-director of the Brachial Plexus Clinic at Kennedy Krieger Institute.

"SHARE is a student-run volunteer organization where undergraduates, medical students, nurses and doctors work together to recover, sort and repackage thousands of pounds of medical supplies, which would otherwise be discarded from operating rooms at the Johns Hopkins Hospital each year," Cho wrote. "These

supplies are distributed to developing countries through our partner organization, Humanity First, and individual physicians on medical missions."

Since its establishment, SHARE has garnered ample student involvement within the Hopkins community.

"SHARE has one of the largest active memberships on the Homewood campus with 80 to 140 active students contributing approximately 1000 volunteer hours per semester," Cho wrote. "This year SHARE has contributed to making a further local impact by reaching out to non-profit local clinics, health centers and animal shelters in Baltimore to donate the medical supplies, currently having established successful partnerships with several clinics, such as the Baltimore Rescue Mission Clinic and the Maryland SPCA."

The chapter of SHARE at Hopkins has been working to establish SHARE at other universities in the area and to teach health professionals and the general educational community.

"[We have] also contributed critical data to a collaborative research project involving undergraduate, medical fellows and professionals that gave rise to the paper 'Global Public Health Impact of Recovered Supplies from Operating Rooms: A Critical Analysis with National Implications,'" Cho wrote. "The research was presented at the Johns Hopkins School of Medicine Annual Department of Surgery Research Poster Session, where the team was awarded Best Presentation in the Clinical Research, Students division. Notably, the team was the only undergraduate team present at the Poster Session."

Teen convicted for terrorist activity



COMMONS.WIKIMEDIA.ORG

Khalid was tried at the U.S. District Court of Philadelphia last Thursday.

By SARI AMIEL
Staff Writer

A criminal case that was launched against 20-year-old Mohammad Hassan Khalid two years ago drew to a close on April 17. Khalid was charged with aiding convicted terrorist Colleen R. LaRose, who is known online as Jihad Jane, in a plot to kill Lars Vilks, a cartoonist from Sweden. The members of the terror cell considered Vilks' depictions of Mohammad, the Muslim prophet, to be offensive. In May 2012, Khalid pleaded guilty to collaborating with the group on plans to murder Vilks. Khalid had put together a package with false identity documents for the other members of the terror cell. Khalid's case was unusual due to his young age, which caused his hearing at the U.S. District Court in Philadelphia to command special attention.

"All my life, whatever is left of it, was wasted in a few years," Khalid told the *Baltimore Sun*. Khalid

went to Mount Hebron High School, and was admitted to the Hopkins class of 2015. The judges sentenced Khalid to a five-year prison term, but gave him credit for the three years he has already spent in jail. Because he is a Pakistani citizen, Khalid may be deported when he is released. LaRose, the notorious terrorist that Khalid had worked under, was sentenced to 10 years in prison in January. Khalid had also translated terrorist propaganda into English. The FBI, after noticing Khalid's presence on suspicious online sites, requested that he curb his involvement on the sites. However, Khalid refused, and was subsequently arrested in 2011.

Jeffrey M. Lindy, one of the lawyers who was defending Khalid, pointed out that his client's Asperger's syndrome and depression made it hard for Khalid to relate to others. Liddy also said that Khalid grew in jail by getting a GED and teaching other inmates.



IVANA SU/PHOTOGRAPHY STAFF

The SHARE fair took place Saturday afternoon in Charles Commons Ballroom. The event aimed to inform about health care in developing countries.

FIJI and ROTC team up to host 3rd annual PUSH fundraiser

PUSH, FROM A1

ROTC continues to play a key role in organizing the PUSH. This year, over 40 percent of the Blue Jay Battalion participated by either competing or staffing.

"Each year we coordinate with National Guard Units in the area to supply the Humvees. This year, as an official co-sponsor of the event, ROTC, in addition to providing the Humvees, worked on the executive staff several months in advance to organize the event. [ROTC also] provided additional staffing the day of, fielded five teams and made an additional donation of 900 dollars," said ROTC cadet Ally Tanzola, who acted as the liaison between ROTC

and the brothers of FIJI.

Over the last three years, participation has grown from 22 teams to 38. In addition to attracting student groups from Hopkins, the event engaged members from the Baltimore community, including baristas from the Daily Grind Café at the Brody Learning Commons and students from Gilman High School in Roland Park. This year, President Ronald Daniels also pushed alongside Hopkins students.

"It's a culmination of all different aspects of Johns Hopkins and Baltimore city. I'm really happy with what it's turned into. When it started, it was basically a Greek

fundraiser and it's coming out to be a Baltimore city fundraiser," said William Szymanski, a FIJI brother who competed as part of the Foreign Affairs Symposium (FAS) team.

This year, the Alpha Delta Phi fraternity (Wawa) claimed the top time for the second year in a row and won a \$300 gift certificate to the Brewer's Art. Smaller prizes were awarded to teams in other categories. The Ladybirds dance team won a \$100 gift certificate to Chipotle for finishing first in the all-girls heat and Alpha Phi won a \$150 gift card to Maxies for winning the Spirit Prize. A total of over \$1,000 in prizes was awarded to participating teams.

"Events like this on campus are great. Maybe there wasn't so much bonding beforehand, but the event itself promotes bonding, especially [because it] get[s] everyone together," said sophomore Remi Ricciuti, who competed as part of the Alpha Phi team.

At this year's event, with more teams competing than ever, the PUSH was able to raise a record amount of money.

"We raised \$7,000 last

year, and \$3,000 the year before," senior and FIJI member Andrew Towson said. "Before the event even started, we had \$8,000."

They received this preliminary sum via online donations made in the weeks leading up to the event. These online donations, coupled with the \$10 participant fee paid by over 300 competitors, totaled to about \$10,000 for the USO.

"At the end of the day, helping out the USO is all that matters," Szymanski said about the event.

Looking forward, organizers hope to keep growing the event and continue to raise more money. "We also hope to establish some more successful traditions in order to set the stage for increasing the scope of the event in future years to include not only the Hopkins community, but the wider Baltimore community as well," Tanzola said.

Forester agreed with Tanzola's hope.

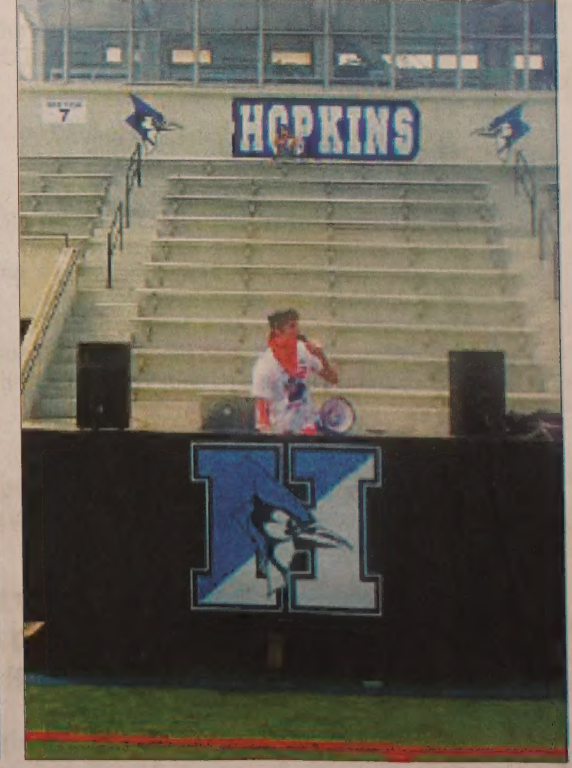
"Every year we try to make it bigger and better," Forester said. "This year, we got Homewood Field, [and] maybe next year we'll get an air drop from a helicopter."



COURTESY OF ELI WALLACH



COURTESY OF ELI WALLACH



COURTESY OF RITIKA ACHREKAR

Thirty-eight teams of students competed to push a Humvee across Homewood field for the PUSH. This year's event raised \$10,000, which represents a \$3,000 increase from last year's PUSH fundraising.



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Happy 88th birthday, Queen Elizabeth! I'm glad that even your serious portraits are mischievous. I feel like we could be best friends.



Jamie Kilstein @jamiekilstein · 1m

The food poisoning has made its way to your brain. RT @BurgerKing: Burgers are more than gr8. They're gr9.

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I'm always amused when companies try to promote themselves and fail miserably. Also, follow Jamie Kilstein right now because he is a hilarious male feminist, and he co-hosts an awesome progressive radio show, Citizen Radio, with his equally hilarious wife.



Christina @Christinaw419 · 18h

Winning is when you forget to eat all day, then order take-out, and devour it sitting in your car in front of the restaurant.

This is my life except exchange sitting in a car with me devouring fries on St. Paul St. literally the second after I leave UniMini.



Dan Falk @danfalk · 32m

Easter egg hunt in Laval, Quebec, goes horribly wrong; orgs. say police may be needed for next time... bit.ly/1kXCmPn

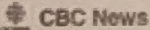
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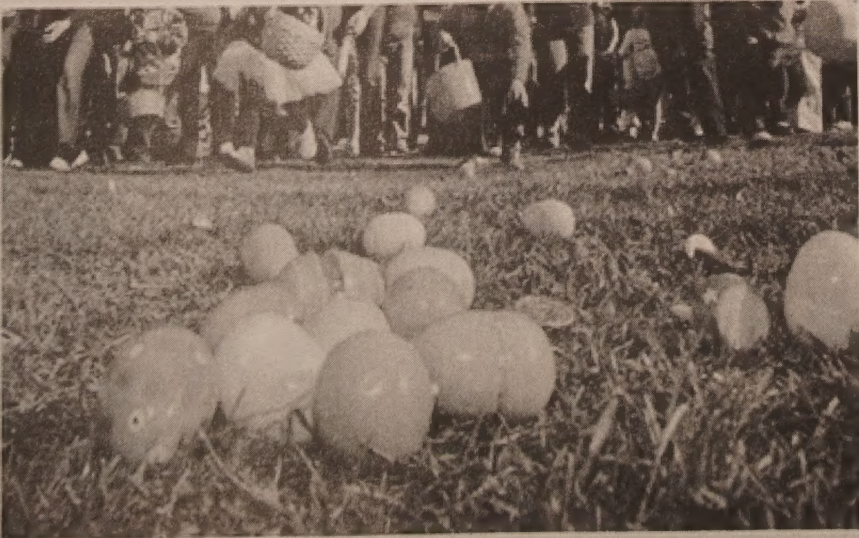
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Easter egg hunt in Laval goes horribly wrong

Laval, Que., was the scene of an Easter egg hunt gone so bad that organizers are considering having police on hand for the next edition.

I didn't know that Easter egg hunts could go ever wrong, except for when Kirk is in charge of hiding them all over Stars Hollow (if you don't get this reference then we can't be friends). Apparently this one involved crazy competitive parents and unfortunate kids who didn't even get any eggs in the general chaos. And here I was just looking for a cute Easter egg photo to Tweet.

@rachel_witkin
Tweets of the Week

This weekly column features some of the top posts around the Twitter realm that deal with the week's top stories in sports, politics, pop culture and all things news.

My brother's break
in Baltimore

This past week was spring break for a lot of high schoolers, including my little brother Johnny.

The last thing I thought he would have wanted to do was to come and

stay with me for a few days, but — alas — when I asked him he said he wanted to come down.

This was surprising since my whole family is composed of homebodies, with my sister being the only *pata caliente* (literally, “hot foot,” or someone who just has to move around or travel). Apart from spending time with him, I really wanted him to get a taste of what college will be like, especially since he is graduating high school next month and will be going to college in the fall.

Of course, as Murphy's Law would have it, the day he got here one thing after the other went wrong. The Bolt bus ran late, biting into my lab time. During the 15-minute delay I stood outside in the pouring rain and got soaked. Then, when he called telling me he had arrived, I realized the bus stop had been moved to a different avenue, so then we were both soaked and had to rush to campus. Unfortunately, this didn't leave time for me to drop him off at my place so I left him in the Gilman atrium, and he later complained to me that he was literally shivering cold while I was gone.

Walking to my next class was worse than when we got in, since it was raining

even harder than before. Fast forward three hours and we were finally home and — what do you know — my brother wasn't feeling well. I felt horrible, so

I blamed the damn rain and the all of the indoor air conditioning, but it turned

out he decided to eat some weird tasting mushroom pizza the day before.

Luckily, the next day he felt brand new. It was like something clicked, and we reverted back to what we usually do when we're home. He lounged on my bed all day, having his fill of *Adventure Time* while I sat at my desk trying to be productive. Every so often I would watch an episode, and he would make a big stink about having to move over and how I only barely watch one episode.

All my attempts at getting him to get outside were fruitless — until I mentioned Chipotle. That was the one time he left, apart from the last day he was here when I had managed to coerce him into going to

Of course, as Murphy's Law would have it the day he got here one thing after the other went wrong.

DC to see the White House. All in all, my little brother's break turned out to be a break for me too since his presence was constantly

known, which meant that we were either cracking jokes or hurling insults at each other. But the worst part of any visit from someone you love is always when it ends, when you have to watch the person leave and when you go back home and there is no one complaining about their burrito being cold and how the chicken tastes like steak.

COURTESY OF MICHAEL SAECHANG VIA FLICKR
I had to bribe my brother with Chipotle to get him to leave the room.

HIP HOP

BUT ALSO observations, rants, lists, thoughts, feelings, missed connections, haikus, confessions, furtive glances and, of course, sex.

Museums, macaroons and more: There’s something about Paris

The first time I visited Paris, my aunt told me that there is something about the color of the Paris sky at dusk that attracts writers, painters and all manner of artists to make it their home. Paris was the first European city I visited, and I didn’t think much of my aunt’s comment at the time. But as I started to travel more

while studying abroad, again and again I found myself drawn back to that first visit to Europe. There’s just something about Paris. Some people don’t have that same attraction to the language, to the food, to the color of the Seine on a crisp day in October. But for those who do, Paris takes hold, and for good reason. Here are a few.

1) Enjoying the Seine. The Paris river divides

Katie Quinn
Postcards from
Abroad



COURTESY OF KATIE QUINN
Champagne and the Eiffel Tower make a perfect end to the week.

the city into two distinct parts — the left and right bank. But it also links the city’s integral parts. People often take cruises around the city — night or day, using the Seine to get to know the city. Then, across the many bridges, people lock their love into place by decorating their own lock and tossing the key into the river. Other people just want to take in the air or the view, and seat themselves in front of the river with wine and cheese. The Seine is the perfect location to breathe in Parisian air.

2) Paying respect to the museums.

With so many artists living in or having lived in Paris, it makes sense that the city is one of — if not *the* — few, true artistic capitals of the world. The Louvre in itself is unparalleled. The *Mona Lisa* and the *Venus de Milo* must be visited. Then it’s off to Musée d’Orsay for Monet, Renoir, Degas, Seurat and some of the best impressionism in the world. Still, my personal favorite museum is Musée Rodin. This museum, built inside the sculptor’s home, has a beautiful garden where sculptures like *The Thinker* and *Eve* come alive.

3) The dusty shelves.

Not only have painters and sculptors made their mark in Paris, but writers have also made the city their home. Besides Musée Rodin, my other favorite place in Paris is an independent English bookstore called Shakespeare and Company. Located just off the Seine by Île de la Cité and Notre Dame, the 1950s bookstore is jam-packed



COURTESY OF KATIE QUINN
You can find art outside of Parisian museums, like in the pistachio and strawberry macaroons at Ladurée.

with potential reads by expatriates like Hemingway and Fitzgerald.

4) A different kind of art, called macaroons.

If you don’t have macaroons in Paris, you’re doing something wrong. While you can never go wrong with macaroons in Paris, there are some places that are more popular than others.

One of the most famous macaroon houses is called Ladurée, with a few different locations throughout the city. Their menu includes the classics — chocolate, vanilla, pistachio, strawberry, but there are dozens of other interesting flavors to try. The tea and hot chocolate aren’t too bad either. Ladurée fairly recently opened a shop in New York, but it’s obviously not quite the same.

5) Finding your favorite view.

After all the macaroons, it’s time to hit the stairs, and Paris has plenty. The views up the winding staircases to the top of Arc de Triomphe are stunning — the Champs-Élysées in its full glory in one direction, the Eiffel Tower in another. Climbing to the top of Notre Dame is a challenge, but there’s nothing like being up amongst the gargoyles on a clear sky day with the whole city stretching out in front of their carved faces. Paris’s other grand church, the basilica Sacré Coeur also has a spectacular view, and you don’t even have to climb up a narrow, winding staircase to catch a glimpse: The neighborhood in which it is located, Montmartre, is already elevated. Don’t get me wrong, there are stairs — but it’s a view for the less claustrophobic at heart.

6) Bubbles à la Tour.

Of course no trip to Paris is complete without champagne. Or the Eiffel Tower. So why should the two be mutually exclusive? On my most recent trip to Paris, I found out about the champagne at the very top of the Eiffel Tower, and it was the perfect ending to a Parisian fairytale week.

In the end, Paris is not a cheap city; it’s a place to treat yourself, but it’s also a place to take full advantage of, to take that extra walk at midnight down Boulevard Saint Germain, to walk all the way from the Louvre to the Arc de Triomphe through the Tuileries Gardens, past Plaza de la Concorde and through the Champs-Élysées, then to sit back and relax in the Jardin du Luxembourg, soaking in the scent, the feel and the inexact, indescribable color of the Parisian sky at dusk.

Mrs. Doubtfire returns
to the screen

Recently, there have been talks that there will be a *Mrs. Doubtfire* sequel and that Robin Williams is on board. The film was originally released in 1993, so it is the perfect mixture of being a part of a lot of our childhoods, and far enough out of our minds that it seems like a new — or good — idea. We are the demographic that studios want to reach, and a lot of us grew up with this movie and hold it near to our hearts.

Mrs. Doubtfire had a very significant impact on me as a kid. It was a story about a man who would do anything to be close with his kids. It had the simple message that love will prevail. I sympathized for both parents but sided with Daniel, Robin Williams’ character, because I don’t know what I would do without seeing my dad all the time. I had a huge crush on Matthew Lawrence and wished I was a child star like Mara Wilson.

But news of the upcoming sequel, of course, introduces the exhausted topic that Hollywood is terrified of things that may not work so it makes sequels and sequels for days. Studios would much rather pin Robin Williams down for a sequel for a movie that did very well in the 1990s than to have him in an extremely unique movie that has never been done before and therefore could be a flop at the box office. This has to tell us something about our society. If there is uncertainty about a proj-

ect, major film studios will be incredibly trigger-shy, making it so that so many films with potential are never given a chance, and we miss out on what could be amazing films.

Because there is no question that the original *Mrs. Doubtfire* was a hit, people will expect that this sequel will do it justice. It better be just as charming and sweet. These are characters that people care about, and we want to know what happened to them during the past 21 years.

One question to ask is, what does this mean for Robin Williams and the rest of the cast? Returning to an old project like this is usually not the main goal of a major movie star (one recent exception is how adorably excited Kristen Bell was to make the *Veronica Mars* movie). According to CNN, the plan is to reunite the original cast, along with director Chris Columbus. I’m sure the cast of *Mrs. Doubtfire* would be on board for the sake of nostalgia and, for some, being in the spotlight again.

I would usually agree with the majority of people on this topic, that making a sequel is just the easy way out. As Schmidt from *New Girl* would say, “The economy stinks, bees are dying, movies are pretty much all sequels now.” But I have to feel a bit different about *Mrs. Doubtfire*. I have high hopes for this project, along with *Girl Meets World* — which is a totally different conversation.

Do us and our childhoods proud, Hollywood.

Elizabeth
Sherwood
My Favorite
Things

What do you say to save someone from suicide?

I stumbled upon a quiz some time ago titled “Could You Prevent Someone from Jumping from a Cliff?” After diligently filling out the answers, I got the result: “No, you couldn’t.” The result wasn’t even that surprising, considering my overall grim outlook on life.

My friends tell me that all of my conversations always end up coming back to the same topic: death. Boyfriend cheated on you? Well, we’re all going to die anyway. Bad grade on a test? If you are going to do something grand before you die, it doesn’t matter in the end. I must be somewhat of an obnoxious conversationalist, since I always find it necessary to conclude that we’re just a bunch of atoms floating in space on this big ship in one of the zillions of galaxies that exist. It is only the acute awareness of the issue that makes me tolerable: I mention all of the “right” earthly answers, console them and listen to them, before I mention the universe part.

“So, are you a Miranda, Carrie or Samantha?”

“I am one of the specks

of dust on Alexander Petrovsky’s works of art.” But ok, I say, I’m a Charlotte, and here you go, potential suicide case, I’ll tell you what I know. I’ll tell you that there are tulip fields out there with morning fogs worthy of Instagramming, but you probably don’t need them, do you? Tell you there are people to meet, so many so great. People who are so staggeringly different and some that are so suddenly like you. People to gift you thoughts, dreams, perspectives and little pocket Lindts. Some to make you laugh till it hurts, to make you take up yoga or recreational LSD (kidding, kidding!). People with rainbow hair, or who are too sure of things. People who are stories . . . But to you, you say, it’s nothing new.

Maybe, I’ll continue, you’re into food? Cuisines you haven’t tried, French bakeries and the softest marshmallows you have yet to taste. Or are you into art? There’s a Kandinsky exhibition coming to the BMA, do you want to go and strike up a conversation with the guards and find out how the tiny Renoir paintings

got stolen 50 years ago?

No? Well, maybe, you want to be something yourself. Do you want to cause jealousy or inspiration? Do you want to turn into a story, a legend, the best friend anyone could ask for? You can change things on this little planet, you know. Take a chance, do whatever, since you’re ready to die anyway. How about opening up a café with soft colorful cushions and books about existentialism for the miserable and calling it “Just a Rainy Day”?

Where do you want to go? What do you want to see? Venice is drowning, you know, this may be your last chance to visit and tell your grandkids. What about Prague — those bridges are from another world, you’ll see! What about love? You may pretend to be a tourist and chat up the tall ginger only to fall madly in love, you know. It is a possibility. Great love in books and movies, set it on fire, bring it to life. To start a magazine, a proper feminist one, with topics that matter, would be something new. Or write a poem, paint the skyline, get a tattoo, learn to waltz — what goes around comes around.

I’ll go on and on about finding ethnic prints in

vintage shops, figuring out unknown science of the brain, things to give and to get, but you’ll probably shake your head no. It’s not enticing enough. Nothing is enticing enough. Nothing matters. Nothing will. And every time you think about something to write or scream, you’ll say, you can only think “Help.” You’ll mention how you can easily cry during any ordinary conversation. How the music you listen to is alright, but if the bands were in the lobby of Charles Commons, you wouldn’t even go down to meet them. You’ll say you want to scream how irrelevant your marketing class is every time someone uses the phrase “projected growth of revenue.” And I’ll understand my mistakes.

Listen, I’ll say, now I know! And there is no way out! And oh god, you sound so sad, now I want to kill myself, too. The thing is, though, you can’t give up. You need to try, you need to change, you need to take steps. I don’t know what it will be, something minor like shoes or something major like a person, but I can promise you that you’ll feel light again, happy, as if the blobs of sunlight are playing inside and as if your life has a Disney soundtrack. It is even possible that nothing external will change, but all I can really tell you is there are exceptions, places, people, thoughts to bring you back to the right side. Whatever it is, it will feel like all of this, the whole world, is seductive again. It is about you more than it is about anyone or anything else.

Even with all of my reiterations of the inevitability of death, there is life to seek, and, in the words of Saint-Exupéry, “to become spring, means accepting the risk of winter. To become presence, means accepting the risk of absence.” Winter inside is a quiet prediction of summer. You just need to try, try, try.



COURTESY OF DRU! VIA FLICKR
In your lowest moments, remember that there is beauty in this world like tulip fields in morning fogs.

THE JOHNS HOPKINS NEWS-LETTER

PUBLISHED SINCE 1896 BY THE STUDENTS OF THE JOHNS HOPKINS UNIVERSITY

Editorial

Sexual assault petition necessary

Sexual assault is an alarming, under-reported reality among many universities and colleges. Recently, Hopkins student groups have advocated for our administration to take additional steps to combat these tragic incidents. On April 23, the College Democrats released a petition in conjunction with the Sexual Assault Resource Unit (SARU) and several other organizations requesting that the University take five actions: provide a website that specifies students' legal rights, revise the freshman orientation program on rape and sexual assault prevention and make it mandatory, print SARU's hotline number on all new J-Cards, provide honest email updates detailing the frequency and location of sexual assault incidents and introduce a compulsory anti-sexual assault component to all fraternity and sorority new-member programs.

The Editorial Board commends these groups for taking action to reduce the incidence of sexual assault on campus, and we agree with most of the conditions of the petition. We unanimously agree on the first three points of action: A website that compiled all of a student's legal rights in the case of sexual assault would provide an inexpensive and invaluable resource for making sense of many different forms of legislation. We

are also in accord that a revised version of the Orientation program should be mandatory for all new students — this information should be transmitted as early as possible. Finally, even if only one additional student reaches out to SARU because they noticed the number on their J-Card, we agree that the measure would be worthwhile.

While the Editorial Board supports releasing incident reports to raise awareness about sexual assaults, we believe these reports should be issued with caution, as this could potentially make victims uncomfortable. We believe that the benefits of these reports outweigh the potential dangers only if the University obtains consent to publicize the incident from the victim and provides a clear disclaimer about the content of the message in the subject line.

However, the Editorial Board is torn over the final point of targeting the Greek community for compulsory sexual assault education. While some view it as an inherently discriminatory and defamatory action, others argue that since these assaults predominantly occur at Greek events, the members should be trained to minimize these risks. Regardless of this point of contention, the Board agrees that this petition is a necessary call to action against sexual assault.

Letter to the Editor

To the Editor:

I recently witnessed an instance of homophobia on campus which disturbed me and made me fearful for the prospective students welcomed onto campus that same day. I am writing to highlight the fact that small daily interactions accumulate to construct a campus culture and to ask students to take responsibility for creating a culture of acceptance at Hopkins.

On my way to class on Thursday morning, I watched as one of two students ahead of me plucked one of the rainbow flags planted around the grassy perimeters of Keyser Quad. He waved it in the face of his friend, who shouted "get that gay stuff away from me!" The student with the flag inserted it into his friend's backpack pocket and snapped a picture with his iPhone. The other snatched the flag from his bag, held it limply, and then began to flit around with his wrists flopping and his gait loosened and swinging. The two men were mocking gay people using LGBTQ materials posted on campus.

As a gay man and a student here at Hopkins, witnessing this interaction both made my blood boil and my heart drop. In general, I have felt completely supported in all aspects of my identity—including my sexuality—here at Hopkins. At an administrative level, I have participated in and been impressed by events that Hopkins hosts to support its LGBTQ community, including the B'More Proud Conference with Zach Wahls this spring and the reception for the launch of the LGBTQ Life program last fall. On an individual level, my classmates have not blinked an eye when I tell them that I am gay, and they have supported me as they would any other friend. Being gay is one way that I am different, but many of us at Hopkins are different in some way, whether it be for speaking two native languages or researching as a woman engineer. Hopkins has generally felt like a place where difference is accepted, including my own.

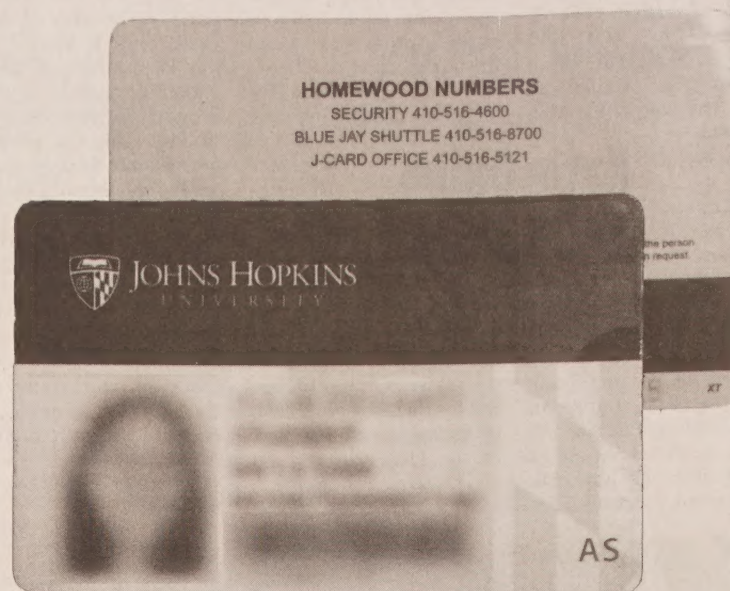
That is why, perhaps, I found the interaction I observed so upsetting. I wish I could spend an hour with both of those students so that they would get to know me. They would learn that my masculinity is important to me and that I prize my identity as a man. They would learn that, contrary to their stereotyped image of a flitting fairy, most gay people must find a source of tremendous courage and strength in themselves to come out and live authentically, which often means alienation from religions, cultural institutions, and sometimes even families. We are not pansies—we are brave people who have fought hard from a young age to be where we are. Unfortunately, because of attitudes like the ones displayed by these

students, we must continue to explain and stand up for ourselves on a daily basis, since many corners of the world still think there is something fundamentally wrong, weak, or inferior about who we are and how we love.

I am troubled deeply by the use of homophobic slurs and the type of foolery I witnessed that morning. This language and behavior is frequently used by men as a way of monitoring masculinity and punishing any perceived deviations from it. The first problematic aspect of this teasing is that it conflates femininity with homosexuality, a false assumption. An individual's experience and expression of their gender does not dictate the gender of those they are attracted to. It is reductive to assume that if you know someone's sexual orientation you also know other aspects of their gender expression or personality. The second issue with using homophobic language to deride others is that, by equating homosexuality with femininity and then using it as an insult, it reifies the fallacious belief that femininity is worse or weaker than masculinity. It is a reminder that homophobia can be a symptom of the misogyny and sexism in the world. What is wrong about being gay is that it means you date men, and people who date men are feminine, and being feminine is worse than being masculine, the thinking goes. Are we not past this simplistic thinking yet?

I hope that, if that photo resurfaces and is used to mock gay people, someone in the room will politely say that they are an ally of LGBTQ people and do not appreciate that type of humor. I hope that no prospective students enjoying their SOHOP experience saw the upsetting interaction I witnessed on the morning after their sleepover. As a Hopkins community, we must project a strong image of prizing the identity of our minority students, not deriding them on the central quad of campus. Please take a kind but firm stand against these instances of homophobia when you witness them. Hopkins should be a place where current and prospective students feel welcome and never suffer disrespect of their minority identities. Though the general attitude here has felt supportive, these seemingly small interactions mean a great deal to those affected by them. Official organizations are an important part of a campus culture, but the mundane, quotidian behavior of individuals also contributes to that culture. My experience showed me that we have yet to achieve a fully supportive culture on this campus, a goal that we must constantly keep in sight. I hope this letter is another step in the positive, necessary direction toward our goal.

Thank you,
Robert (Bob) Weatherford



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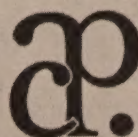
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The Gatehouse
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Mailing Address:
Maddin Center Suite 210
The Johns Hopkins University
3400 North Charles Street
Baltimore, MD 21218

Main Phone Number:
(410) 516-6000
Business/Advertising:
(443) 844-7913
E-mail: chiefs@jhnewsletter.com

<http://www.jhnewsletter.com>

OPINIONS

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Brutal Bahrain protest crackdown reveals character of US ally

By BAYLY WINDER

A tiny (only 3.5 times the size of Washington DC) island off the coast of Saudi Arabia, Bahrain lies in the heart of the Persian Gulf. Although it was the first state to strike oil in the region, it has a relatively small amount remaining. Within the American context, it is probably best known for hosting the massively important Fifth Fleet of the United States Navy. It is widely understood that the Arab Spring resulted in large-scale revolt in nations like Tunisia and Egypt. The toppling of those governments was well documented by the mainstream media and frequently mentioned by President Barack Obama and his colleagues. But what happened in Bahrain from 2011 onwards did not receive the airtime it deserved. While the Bahraini regime is still firmly in power, the protests that took place there, as well as the troubling government response, created dramatic and graphic moments that the American public should consider more thoroughly. Bahrain is a unique case in the Arab Spring, just like its fellow GCC (Gulf Cooperation Council) members, it is a monarchy with authoritarian tendencies and significant restrictions on freedom of speech. A former British protectorate, it has

been ruled by the Al Khalifa family for centuries. However, the demographics of Bahrain make the relationship between the government and the people difficult. Proportionally, Bahrain has the largest Shia population of any GCC state. It is, in fact, a majority Shia population. For many years, Bahraini Shia have objected to their treatment by the Al Khalifa, who practice Sunni Islam. Shia are systematically discriminated against in social, political and economic terms. These tensions hit a new high after the Arab Spring spread across the Middle East and North Africa, and people took to the streets. While pro-regime loyalists blame the protests that occurred on Shia extremism and Iranian meddling, this scenario cannot be viewed in a purely sectarian fashion. A sizable percentage of the Bahraini population, not only Shia but Sunni as well, campaigned for more popular representation and greater government accountability. There were violent outbursts, but for the most part, this was a peaceful initiative with objectives that most Americans would deem very reasonable. Pearl Roundabout, in the heart of the capital city of Manama, was chosen as the focal point of the rallies. It became the main symbol of the movement. Unfortunately, King Hamad and his government reacted to the uprising with brute force. Pro-

testers were imprisoned, tortured and in some cases even killed. The army employed tactics, such as using rubber bullets and tear gas, and opened fire on innocent civilians. Opposition figures and thousands of normal citizens, including medics trying to manage the enormous influx of injured people, were arrested. Amidst the myriad and blatant human rights violations, perhaps most discomfiting is the way that the regime managed the situation at the country's largest hospital. The government restricted access to the Salmaniya Medical Complex at a time when battered demonstrators were in need of emergency care. Authorities blocked ambulances from entering the site, and some doctors performing critical surgery were thrown into jail. After several weeks of huge marches and lethal showdowns, the government crackdown intensified further. On March 14, a Saudi-led GCC force entered Bahrain to help crush the protests. Saudi tanks drove down the King Fahd Causeway, which connects Bahrain to the Gulf mainland, in an unprecedented move of GCC intervention. Shortly after, King Hamad declared a state of emergency. Then, on March 17, Pearl Roundabout was demolished. The Tahrir Square of Manama was reduced to a pile of rubble which the Bahraini Foreign Minister Sheikh

Khalid bin Ahmed Al Khalifa referred to as a "bad memory." It is unclear how many Bahrainis have been killed since the protests began. A handful of policemen and security forces members have died, alongside as many as 80 civilians (some opposition sources say more). What is clear is that this was an incredibly unsettling episode. There is an uneasy peace today, but the fundamental issues that endanger the Bahraini status quo remain the same. This is a government that used notably aggressive measures to suppress a largely non-violent movement, and it is a staunch ally of Washington DC. President George W. Bush named Bahrain a major non-NATO ally of the U.S., and Obama stayed quiet when the hopes of marginalized Bahrainis and Pearl Roundabout were deconstructed. When Americans wonder why Arabs harbor a sense of animosity towards U.S. policy, Bahrain is a case study worth contemplating. Before the Qatari media outlet *Al Jazeera* was basically expelled from Bahrain, it produced a documentary titled *Bahrain: Shouting in the Dark*. This piece of work has been called biased by some, but it illustrates the upsetting nature of what went on and sheds light on the character of this strategic American partner. Bayly, a senior political science major from Princeton, NJ, is an Opinions Staff Writer.

Internship applicants should use all tools

BY MEGAN DITROLIO

I have recently found myself lost within the unforgiving cycle of finding an internship, which has knocked me off my feet and has given me, frankly, a reality check about the real world. The job market has become increasingly tough over the past decade. Jobs are hard to come by, especially those in a field you are actually interested in. As the job market becomes more competitive, college students are starting to feel the heat of rejection and are pressured to begin the internship and job search earlier than in past generations. Our parents spent college taking classes that they enjoyed and going to parties with friends; we struggle to fill our schedules with as many related experiences and research positions possible. The anxiety to get ahead sometimes inhibits our ability to experience our life in the present.

The problem with finding an internship in this world is the level of experience that is required for such positions. Nearly every company that I applied to was looking for previous experience in the field, making it difficult for a younger applicant to reach the qualifications that were required. Despite involvement in clubs relating to my field at Hopkins, as well as various other activities showcasing a wide range of interests, my resumé seemed thin and paled in comparison to those of my classmates. Everyone else was in one more organization, had a higher GPA or went on one more volunteer trip than me. As much as I tried to beef up my resume and as proud as I was of my accomplishments, I kept falling flat throughout the application process.

Age limits also stood in my way when applying. Many of the jobs I was looking at specifically requested seniors or graduate student applicants but would accept very qualified juniors. As a sophomore, I applied for these positions anyway to get my name out in the industry, knowing that I was probably going to come up short. Due to the current state of the job market, many recent graduates are having a harder time finding employment, leading companies to hire the more qualified grad as opposed to an undergrad for an unpaid internship. This pushes undergrads out of worthwhile opportunities, and thus reinforces the cycle of "under qualified" undergrad applicants. More and more undergraduates are falling through the cracks, their age and year in school almost overshadowing their credentials.

Networking has also become fundamental in the job and internship search — people that know someone or have even some sort of connection with a company are more likely to be chosen for a position over another applicant of comparable qualifications. While having connections has always been an important component in the job search, the flux of media promotions like LinkedIn has made connecting with employers easier. This type of resource needs to be utilized for one to be successful in the work world. Those who ignore these tools may run risk of being ignored themselves when they apply for a position. I have been lucky enough to have older and wiser friends guide me through the internship search, making my experience equally as demanding but emotionally more manageable. Their support and advice has been the only thing guiding me; without it I would have been lost in the dark. I still have my fingers crossed to hear back from some awesome companies and can only continue to work hard to be hired. To all of you out there struggling with the internship process, you are not alone. Your time will come with a lot of work and little sleep.

Megan is a sophomore from Newtown Square, Pa. majoring in Writing Seminars.

Apathetic non-voters forfeit right to complain about the SGA

By ALI DELEN

The Student Government Association (SGA) is viewed with disdain by what seems to be a majority of the student body. People complain that their representatives don't do enough for them while others lament that they're not given any practical capacity to do so. Regardless of why, it seems we're not satisfied with our SGA. And it's our own fault. During the most recent SGA Executive Board elections, only 1,456 students voted in the presidential race. In other words, out of over 4,500 eligible voters, less than a third took the effort to go online and vote, a process that takes less than a minute. A similar situation played out a few weeks later during the Class Council elections where less than 600 students from each class voted. With classes of approximately 1,500 students, these figures are simply unacceptable, and they reflect the disinterest and indif-

ference that we, as a student body, have come to exhibit towards all matters Student Government. Our apathy has manifested itself in the way that our student representatives handle themselves. For several months this school year the SGA stopped uploading the minutes for their General Body Meetings, a task it is required to do, because they lost the password to update their site and couldn't be bothered to rectify the issue until they came under fire from proactive students. Even some of the campaign videos uploaded recently reflects our superficial involvement in student government. These videos often relied on humor and sarcasm to attract voters rather than genuine ways in which the candidates would improve our school. Every year, every election, every candidate promises to be our voice. They say they will make us feel included in the affairs of Student Government and keep us in the loop. But they don't. They can't. Because at the core of this issue is the fact that we don't really

want to be. We want a better experience at Hopkins. We want more inter-class activities. We want more free stuff. We want chicken tenders for late night, every night. But we can't trouble ourselves enough to involve ourselves with our representatives. Most of us can't even be bothered to invest 30 seconds into voting online and our representatives know this. Overwhelmed by a student body plagued with chronic and deep-seated low efficacy, our representatives have long ago stopped trying to involve us. Student Government is a mystery to the average student. We don't know what they do or how they do it. We don't even know who our senators are or even how many of them there are. We have become the stereotypical, ignorant American we so blithely laugh at on TV. Granted there is a big difference between the United States Government and our humble SGA, but there is something to be said about our attitude towards our Student Government. If we wish to see a

more responsive, accountable and ultimately effective SGA, then it is up to us to accept the responsibility of getting involved with our representatives and taking SGA seriously. In turn, candidates will begin to base their campaigns on specific commitments to improve Hopkins, to which they will be held accountable, rather than vague promises and jokes; representatives will be more inclined to interact with an interested and active student body; and we will begin to appreciate and notice the work our representatives do for us. So next time you bump into your president, ask them if they've made good on their campaign promises. Next time you see one of your senators bring up your concerns and talk to them about what they're doing to improve your day. Next time a candidate shoves a clipboard and pen in your face and asks for your signature, ask them why they deserve your support. Or, you know, at least vote. Ali, a freshman international studies major from Woodstock, Md., is an Opinions Staff Writer.

Liberal intolerance, hypocrisy threatens religious liberty

By ANDREW GUERNSEY

The American tradition of religious liberty, which is enshrined in the First Amendment of the U.S. Constitution, predates the American republic itself. Charles Carroll of Carrollton, a signee of the Declaration of Independence, wrote of his immigrant grandfather that "being a Roman Catholic, he pitched on Maryland, where the free exercise of that religion & equal privileges were granted." Many Americans today, however, take our precious freedom of religion so for granted that they would forfeit it to save a few dollars on their birth control pills. For faithful Catholics and other Christian employers and institutions, the Obama administration's HHS contraception mandate does not threaten their money, as much as their right to live out their deeply held convictions in the public square. The HHS mandate is an unconstitutional violation of religious liberty because it puts a tax on religious expression. Catholic employers and institutions must choose between violating their consciences and paying a devastating tax. The HHS mandate thus coerces religious employers and Catholic institutions to pay for their employees' contraceptives, sterilizations and potentially abortion-inducing drugs (Plan B can prevent the implantation of human embryos). The Catho-

lic Church and other Christian churches assert that such practices are intrinsically evil, violating the dignity of human life and the beauty of human sexuality. Acting on such beliefs in the public square is highly stigmatized in our culture, such that the Obama administration thought they could get their way without risking significant political backlash. Yet in drafting the First Amendment, the founders of our nation realized that it is not adherents of popular beliefs, but precisely adherents of unpopular ones that need protection against majority tyranny. If President Obama really believes it is important to make contraceptives, sterilizations and the morning after pill free, he can sign a law for the government to provide such services directly, without using Catholics employers and institutions as intermediaries. He deliberately chose, instead, to force faithful Catholics to bend the knee to the values of the sexual revolution and of liberal orthodoxy. Obama's HHS mandate serves to subordinate faithful Catholics to the modern dogma that contraception is a civil right and basic form of healthcare, over and above Catholic doctrine that considers contraception a morally objectionable lifestyle choice that destroys healthy fertility and violates the procreative meaning of sex. This sort of bullying of Christians on social issues has worsened, as silence and private disagreement no longer suffice. Active participation and militant

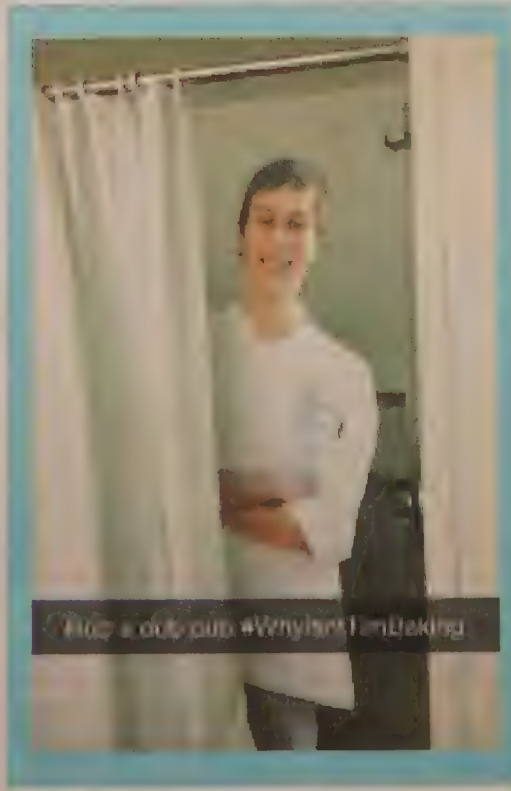
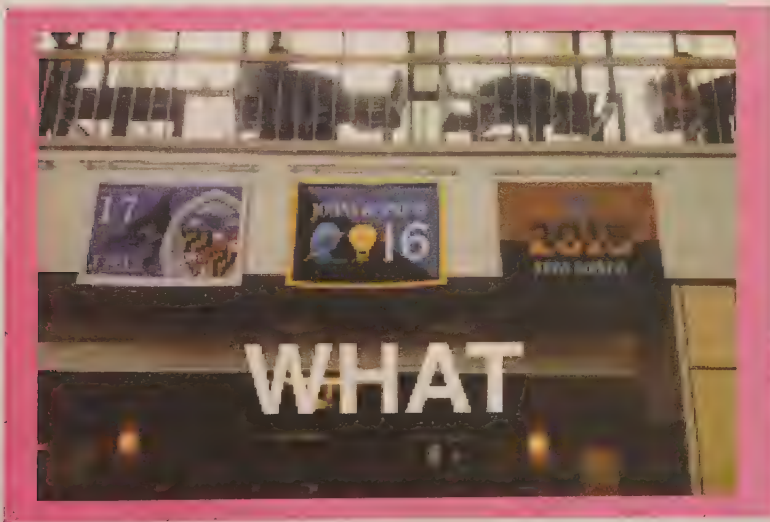
support of social liberalism is necessary to prove that one is not a "bigot," "a racist" "a fanatic" "homophobe" a "misogynist," or any other stigmatic label of hate. Earlier this month, in another instance, gay rights activists orchestrated the firing of Brendan Eich, the chief executive of Mozilla, for the unthinkable "crime" of having the same stance on gay marriage that President Obama had in his 2008 election. Eich's sin was that he was the wrong type of religious believer, the kind that does not change his beliefs to conform to the prevailing liberal orthodoxy on marriage. As Professor Robert George of Princeton has pointed out, Christians, Mormons, Muslims and Jews who believe in their faith's traditional values on sex and marriage simply need no longer apply. The days of agreeing to disagree are slipping behind us. Social liberals frequently argue that religious believers ought to keep their beliefs private and leave their faith at the door when walking into the workplace or political square. President Obama has reflected this sentiment in his frequent references to the "freedom of worship" instead of the much more robust "freedom of religion" that the constitution guarantees. "Stop forcing your morality on us," argue social liberals "and stop taking away our reproductive freedom." The irony is palpable. It is hypocritical to complain about the government "interfering" in your sex life only to then turn around and demand

that Little Sisters of the Poor pay for your contraception. If you want contraception, the solution is simple: Either go work for an employer who will provide it, or go buy it yourself. Social conservatives are not preventing access to contraception any more than Michael Bloomberg is preventing me from smoking because he will not pay for my cigarettes. An April 3 editorial argued: "If men could get pregnant, birth control would be bacon-flavored and dispensed as freely as condoms." I answer that if the federal government cannot force orthodox Jewish employers to provide their employees with bacon, however delicious, because it violates their deeply held religious convictions, then neither does the federal government have the authority to force Catholics employers to pay for their employees' birth control — bacon-flavored or not. Religious liberty does not exist in a vacuum. The cultural and religious traditions that support it require constant vigilance and preservation. The Supreme Court ought to relieve religious employers and institutions from the unconstitutional coercions of the HHS mandate. Liberals should become more tolerant of the diversity of practices and unique contributions that religious believers bring to American civic life, instead of continuing to impose the secular dogmas of social liberalism on the whole of American society. Andrew is a sophomore majoring in political science and classics.

PHOTO ESSAY

Oh, snap!

JHU Snaps entertains Homewood campus.



THE B SECTION

One Week
News-Letter

Your Weekend • Arts & Entertainment • Cartoons, Etc. • Science & Technology • Sports

APRIL 24, 2014



Arts & Entertainment

AllNighters a cappella group turns 21 — B3

Nobel Prize winner Gabriel Garcia Marquez dies — B3

Laughter abounds at Throat Culture performance — B4

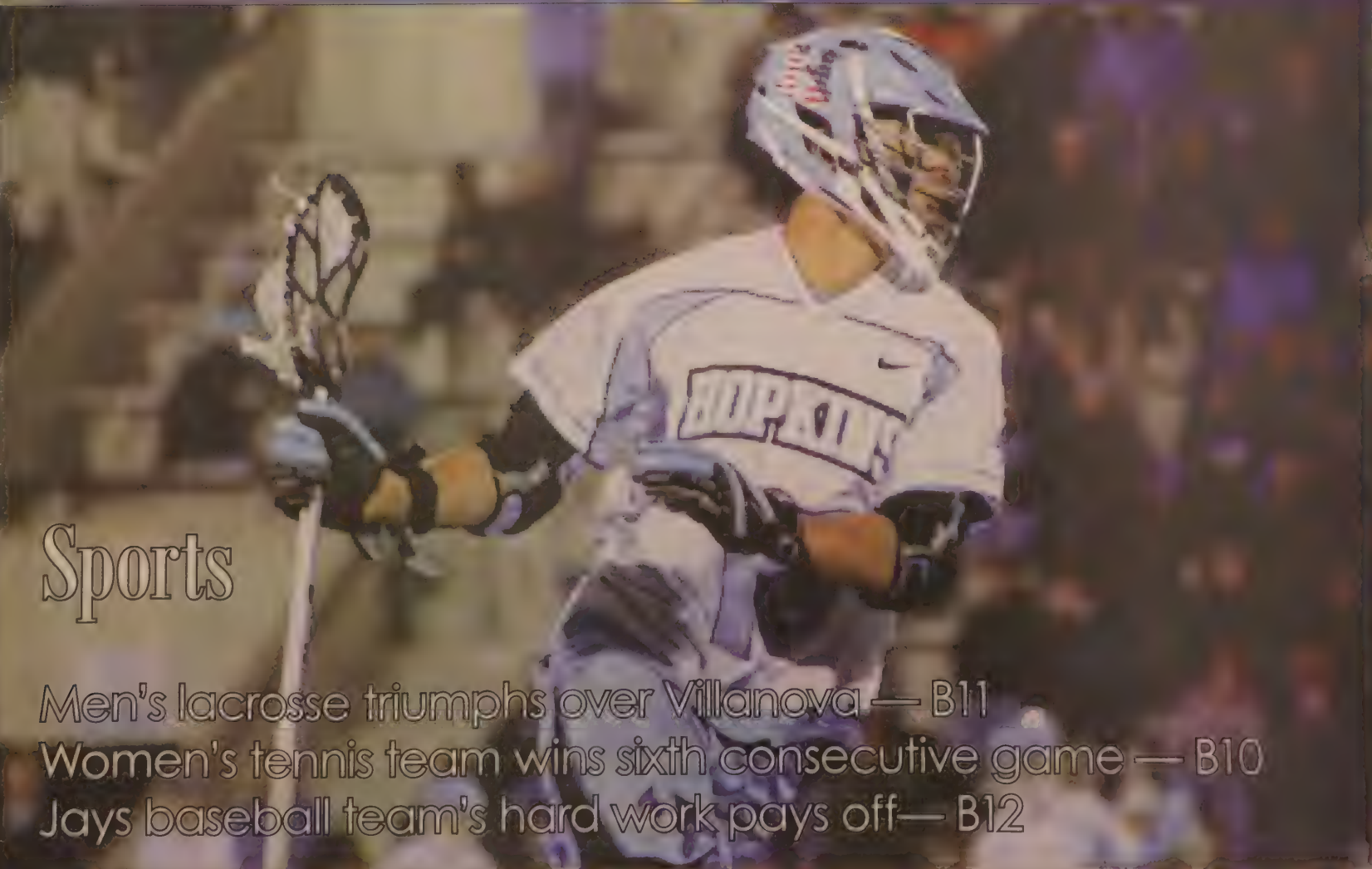


Science & Technology

Researchers use 3D printing to aid cancer research — B7

Lab-grown vaginas prove fully functional — B7

New app quickens jet lag recovery time — B7



Sports

Men's lacrosse triumphs over Villanova — B11

Women's tennis team wins sixth consecutive game — B10

Jays baseball team's hard work pays off — B12

YOUR WEEKEND APRIL 24-27

Balmorhea reinvents folk

By KEVIN WELLS
Your Weekend Columnist

Homework, sleep, homework, sleep — as the end of the year draws near, I've been increasingly monotonous in my routine. I have, however, been listening to this new band I recently discovered. I am a fan of unconventional music, as a forewarning, but I essentially find myself drawn to "indie folk" and post-rock, two genres that really resonate with me. As a result of my marching band days, I also have a great appreciation for brass, woodwinds, bowed strings and mallet instruments, which usually aren't seen in conventional American pop music today.

I've recently been listening to Balmorhea, a band that combines creative instrumentation with a post rock design and a folksy feel. They've been around for about eight years now, hailing from Austin, Texas, a mecca for some of the best American folk music produced today.

I stumbled across Balmorhea while browsing Spotify's Pandora-esque

radio feature, and boy, was I thrilled. The band perfectly encapsulates everything I enjoy about music: refraining from mindless garble and meaningless lyrics (because they're an ensemble), avoiding mundane, predictable chord progressions, understanding the organic ebb and flow of dynamics in music and creating a unique sound with unorthodox compositions. I apologize if I'm getting a bit long-winded, but this band really does have so much to offer in terms of their technical ability and creativity.

Each of their albums has an entirely different feel and can cater to different types of music enthusiasts. Their newest album, *Stranger*, is far more upbeat than their other albums and would probably sit well with fans of British pop rock or experimental rock. *River Arms*, released in 2008, would probably pander to listeners of folk music more than anything. Balmorhea achieves their minimalist feel through sole acoustic guitar, strings or piano. The album *Constellations*

really highlights out their musical influence, with some classical undertones of Debussy and Beethoven scattered throughout. Their last main album, *All is Wild, All is Silent*, is probably their most well-known, but really combines a lot of these aforementioned genres into one of the most solid albums I've had the pleasure of listening to recently.

Balmorhea isn't on tour right now, and when they are on tour they tend to travel around the West Coast and in Europe, so seeing them live isn't very feasible. Their music is readily available online, however, and I would implore you to give them a listen. They don't have a very wide fanbase and any bit of support for them would be great; it's always sad to see great talent get overlooked, whether in the visual arts, music or film. If you feel like being a hipster (in the most loose translation of the word) or need a change of pace from your usual playlist, Balmorhea has something to offer everybody in their wide range of musical styles.



BALMORHEAMUSIC.COM

Balmorhea uses folk instruments, such as the banjo, and minimalist ones like the piano and guitar.



DIGITALMEDIA.JHU.EDU

The Digital Media Center also offers innovative production formats like three-dimensional printing.

The DMC: gaming for techies

By SALLY HWANG
Your Weekend Editor

Perhaps I hang out with too many engineers, but it seems to be a running joke that no one actually goes to the Mattin Center, except to take the shortcut path through it to get to Brody. It's a shame because the Mattin Center is home to one of the school's coolest student resources, the Digital Media Center.

I'll admit I walked by the DMC all year without much interest until two weeks ago. I didn't realize it was meant for all students to use for recreation and assumed it was solely for academic purposes. But two weeks ago, my friend and I had a strong need (yes, need) to play Mario Kart.

As we lamented our lack of Wiis and friends who owned Wiis outside of Char Mar, a kind passerby mentioned that we could rent both the game and the game system from the DMC, all for free. So we headed down with high hopes.

The DMC is located in the beautiful museum-esque Offit Building Suite.

Membership is free to all full-time students and is worth the hassle of signing up. To become members, students have to physically go to the DMC, watch the three-minute video reviewing the DMC's policies and sign a simple form.

While there, I was delighted to see that they also have Google Glass and Oculus Rift available to students. I believe Google Glass can be checked out but Oculus Rift must be used in lab. It's awesome to know that I can try these new technologies that I've only seen on Reddit. Though I question the purpose of Hopkins purchasing these other than for students' pure entertainment, I'm not protesting. It's pretty cool.

We were able to check out a Wii system, which comes with four controllers. But looking at the DMC's selection of games and game systems, which can be viewed on their website as well as in the actual center, we got too excited. My friend and I ended up lugging back Wii equipment and Rockband equipment as well as four video games (of which we

ended up playing only Mario Kart and Rockband).

If you're lazy like me, renting and playing video games, which have a max check out time of three days, probably sounds like a sweet weekend. But if that doesn't sound like your thing, the DMC has a lot of resources to help with any creative endeavors you might have.

Quality audio equipment is available for any budding musicians who want to try recording and developing their own music. Various cameras and lenses are available for those interested in more than just Instagramming. Workshops are available for students who want to learn to use programs like Photoshop and Pro Tools.

My next DMC adventure might be to try 3D Printing with their new Replicator 2x 3D Printer, another cool technological advancement that I've only seen online. 3D prints are priced by the weight of the material used with a \$3 setup fee for each print.

If you're looking for something interesting to do close to campus, let the DMC surprise you.

Noteworthy Events



WARRENWOLFMUSIC.COM

Warren Wolf is a multi-instrumentalist hailing from Baltimore, Md.

Peabody Jazz Orchestra

7:30 p.m. - 9:30 p.m.

Friday April 25

Joe Byrd Hall

The Peabody Jazz Orchestra, directed by Michael Formanek, will perform at the Peabody Institute. Special guest artist Warren Wolf, will be featured on the vibraphone. Warren Wolf is a multi-instrumentalist from Baltimore, Md. and studied at the Berklee College of Music. The concert will be opened by The Laura Spence Quintet, a student jazz chamber group. The repertoire for the evening will include works by James F. Hanley, Milt Jackson, Thelonious Monk, Dizzy Gillespie and others, arranged mostly by John Clayton. Tickets are \$5 for students.

West Side Story at the Hippodrome

2 p.m., 8 p.m., 1 p.m., 6:30 p.m.

Saturday April 26 - Sunday April 27

The Hippodrome

The timeless American classic, *West Side Story*, continues its tour this weekend in four showings (Saturday and Sunday) at the Hippodrome Theatre at the France-Merrick Performing Arts Center. Tickets are \$30-\$95 and available online. This musical features well-known songs, including "Maria," "I Feel Pretty," "America," "Tonight", as well as the renowned orchestral score composed by Leonard Bernstein. *West Side Story* tells the story of two teenage street gangs and explores the social and ethnic differences faced in New York in the mid-1950's.

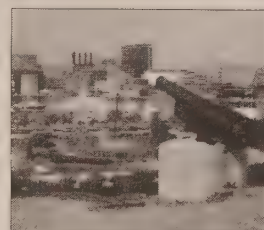


REPEAT - OBSERVATIONS ON CULTURE. Leonard Bernstein's work explores themes of ethnic and social conflict.



ADOREMUS VIA FACEBOOK

Adoremus a capella JHU (left); Mother's Federal Hill Grille (right)

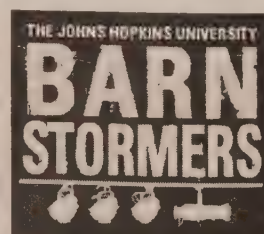


TWBUCKNER VIA FLICKR



BUTTERED NIBLETS VIA FB

The Buttered Niblets Student Board (left); JHU Barnstormers (right)



BARNSTORMERS VIA FB

Calendar

4/24 Charm City Trivia at Mother's (Mother's Federal Hill Grille)

4/25 Buttered Niblets - Improvisation Comedy (Arellano Theater)

M3 Rock Festival (Merriweather Post Pavilion)

4/26 Adoremus a capella Spring Concert (Bloomberg Hall, Schaefer Auditorium)

Barnstormers Monologue Competition (Arellano Theater)

4/27 The Emporiyum, (1300 Thames Street)

ARTS & ENTERTAINMENT

The JHU AllNighters celebrate turning 21

By AUBREY ALMANZA
Arts & Entertainment Editor

Hopkins's vested heartthrobs. The All-Nighters, celebrated a long-awaited 21st birthday at their annual Spring Concert. The dashing lads invited the Hopkins community to witness the celebrations in their usual venue, Bloomberg Hall, this past Friday night. Accompanied by University of Maryland Baltimore County's Stilletos, The AllNighters delivered a set of varied arrangements, screened a hilarious home production and said farewell to two graduating seniors. Their unremitting preparation clearly paid off, for the April 18 concert contends with last year's milestone as Hopkins's best a cappella Spring Concert to date.

Every seat in the house and even the floor space filled to capacity. Bloomberg Theater's guests — characteristically rowdy prior to AllNighters shows — were especially vivacious this year. Excitement increased as 8 p.m. neared, and it was clear that attendees prepared for the spectacle with festivities of their own.

Sophomore Tom Bernstein first took to center stage, soloing to a mix of Avicii's "Wake Me Up" and Daft Punk's "Get

Lucky." Bernstein's large fan base — cohesively situated at the front of the theater — helped pump up the crowd and set the tone for the concert's repeatedly roaring applause.

Isaac Nemzer, one of three new freshman members, performed next. Contrasting the upbeat opening song, Nemzer delivered the soft classic "Blackbird" by The Beatles. It is difficult to describe the vocals on this freshman baritone as anything other than outstanding and truly uncanny. His rendition (for the most part faithful to Paul McCartney's original) rang clear throughout the room, maintaining control and mounting in strength throughout. One can only fathom what Nemzer will deliver three years from now, at his own senior Spring Concert.

Junior Ari Messenger joined freshmen Brad Bowers and Andy Kim in One Direction's recent radio hit, "Story of My Life," before The Stilletos appeared on stage. Though their dainty, sparkling dresses suggest otherwise, UMBC's all-female group boasts powerhouse vocalists with feisty stage presence.

The feature group performed an impressive cover of "Lady Marmalade" from Moulin Rouge, One Republic's "Counting Stars" and Ariana Grande's

SEE ALLNIGHTERS, PAGE B5



LEON SANTHAKUMAR/PHOTOGRAPHY EDITOR
The AllNighters kept the crowd laughing as they sent off their seniors.

Throat Culture show closes semester with a bang

By SHERRY KIM
Staff Writer

The Arellano Theatre in Levering Hall was filled with laughter last Saturday night as Throat Culture put on its final show of the school year. The show also featured the final performance by the group's senior members, as they will be graduating in May.

Throat Culture is Hopkins' only sketch comedy group on campus. Its members write and perform their own unique sketches approximately three times a semester.

Their shows encompass a broad range of sketches. Some are ones that

they have been working on all semester, whereas others are written, rehearsed and performed all within 24 hours. As demonstrated by their ability to act on demand, all of the members are very versatile and capable of creating comedy, no matter what the circumstances are.

True to its name as a sketch comedy group, Throat Culture performed a series of short comedy scenes that ranged in diversity from satire to character comedy.

One of the sketches parodied videos and commercials that attempt to explain what a certain group does. They did so by playing soft, encouraging music in the background and having each of the members state why Throat Culture was so amazing for them.

However, there was one member who wasn't as "in sync" with the rest of the group and refused to talk about how great Throat Culture was. Instead, she rambled on about her sister that had died by getting stung by a bee.

Another particularly funny sketch poked fun

at television game shows by recreating an absurd version of a game show. The game show host bombarded the contestant with a variety of preposterous questions, jumping from one to the next without any kind of warning. The sketch also contained

for those in the audience who did not understand the joke.

All in all, however, there was great enthusiasm by all of the performing members, and it was clear that they had not only worked hard for their show, but also that they genuinely enjoyed

funny but also very creative. I'm not an expert on comedy, but I thought the show was really great. I also really appreciated the soundtrack they played between the sketches; it was so well mixed," said one of the audience members after the show.



LEON SANTHAKUMAR/PHOTOGRAPHY EDITOR
Throat Culture served up some amazing comedy and originality during its final weekend performance.

Throat Culture also creates video sketches. Some of these video sketches are longer series that continue over an extended period of time. These video sketches can be found online, under the JHU Throat Culture YouTube page.

The YouTube page also contains recordings of

being there and were having a fun time performing the comedic sketches.

"I really enjoyed it. The sketches were not only

previous shows, as well as various other funny video clips, and is most definitely worth taking the time to check out.

The Octopodes Spring Concert impresses with set

By CHRISTINA KO
For The News-Letter

The Octopodes, the oldest a cappella group on campus, held their annual spring concert on April 19 in the Bloomberg auditorium. The group performed 11 new covers and an original song written by senior Duncan Crystal, the business manager of the Octopodes.

The concert also featured professional boxer Ben Mirin, who performed a solo as well as an impromptu collaboration piece with the group. The Octopodes began the concert with an arrangement of "Runaway Baby" by Bruno Mars, which featured sophomore Corbyn Yhap as the soloist. They also performed an arrangement of "Stay the Night" by Zedd, which featured freshman Katrina Estep. The group bid farewell to five seniors at the concert as well.

Non-graduating members gave a speech about each graduating member's impact on the group and presented them with customized Octopodes flasks before the seniors performed their solos. The first senior solo was Crystal's, who sang "I Won't Wait," an original song he wrote and composed himself.

"It's especially cool to

perform a piece of music that you've created yourself," Crystal said. "It was easier to connect emotionally with the lyrics because I wrote it, and there are no barriers to what the message is. It was a lot of fun."

Publicity Chair Lucy Coyle, who decided to remain with the group for another semester after graduating early, performed "Your Song" by Ellie Goulding.

"I sort of felt like this was more of my graduation than walking across the stage in a couple weeks ... because the Octopodes is really what college has been for me," Coyle said. Coyle noted that preparing for this final concert was, in general, a lot calmer than the usual preparations.

"That being said, we started to learn one song a week before the concert," Coyle said.

The song that the group prepared just a week before the event was senior Sean King's solo, a mash-up of Rihanna's "Don't Stop the Music" and Justin Timberlake's "Suit & Tie," arranged by an alumnus of the Octopodes.

"One thing led to another, and we got the arrangement a week before," King said.

"But you know, it was

SEE OCTOPODES, PAGE B4

Gabriel García-Márquez dies at age 87 in Mexico City

By AMANDA AUBLE
Staff Writer

Nobel Prize-winning novelist Gabriel García Márquez died in Mexico City on April 18 after being admitted to a Mexican hospital on April 3 for pneumonia. He was 87.

The famed author, affectionately nicknamed "Gabo" by his fans, not only popularized Spanish-language novels, but also introduced readers to magical realism, a literary mode in which magical events routinely occur within an otherwise realistic story.

Born March 6, 1927 in the coastal town of Aracataca, Colombia, Márquez was raised by his grandparents and grew up listening to family stories. He began his writing career in journalism but later wrote stories that mixed both fact and his vivid imagination. Considered by literary

critics to be the most influential Latin American writer since Miguel de Cervantes, author of *Don Quixote*, Márquez's famous works include *One Hun-*

el, One Hundred Years of Solitude, sold over 30 million copies and lead to his Nobel Prize for literature in 1982. The narrative chronicles several genera-

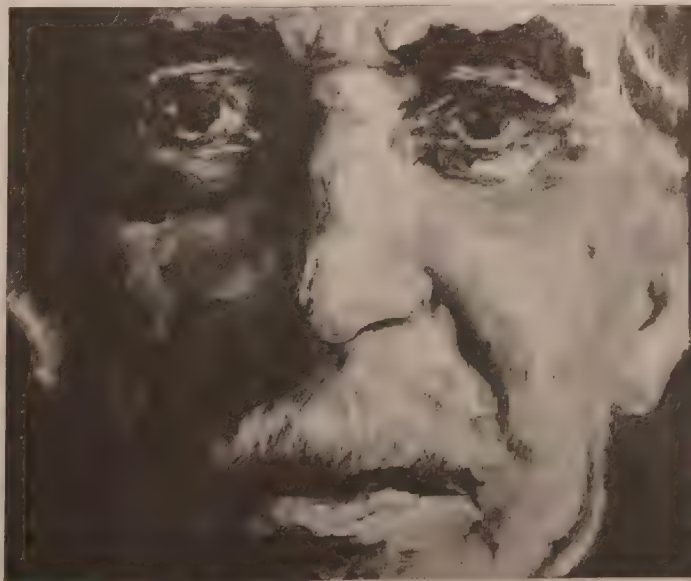
of Márquez's novels, takes place in the fictional village of Macondo, a setting Márquez used repeatedly in his work to represent his view of Latin American cities.

"Macondo oozes, reeks and burns even when it is most tantalizing and entertaining. It is a place flooded with lies and liars and yet it spills over with reality," Robert Kiely, an English professor at Harvard University, wrote in his 1970 *New York Times* book review of *One Hundred Years of Solitude*.

Márquez also maintained strong political activism in Latin America. He titled his Nobel Prize acceptance speech "The Solitude of Latin America." He described the unyielding inspiration his native land provided him.

"[It is a] source of insatiable creativity, full of sorrow, of which this roving and

SEE MÁRQUEZ, PAGE B4



COURTESY OF CITIZENLEN VIA FANPOP.COM
Colombia-born Gabriel García-Márquez wrote some of today's most celebrated stories.

dred Years of Solitude, The Autumn of the Patriarch and *Love in the Time of Cholera*.

Published in 1967, Márquez's break-out nov-

tions of the Buendía family through their various successes and struggles.

One Hundred years of Solitude, as well as many



LEON SANTHAKUMAR/PHOTOGRAPHY EDITOR
The Octopodes captivated the audience with their brilliant musicianship.

ARTS & ENTERTAINMENT

Jack White to release second solo album this June

By CHACONNE
MARTIN-BERKOWICZ
Staff Writer

Multifaceted rock and roll/folk musician Jack White, born Josh Gillis, is releasing his second full solo album, *Lazaretto*, this coming June. *Lazaretto* was the “Worlds Fastest Released Record”, taking Jack White only three hours and 55 minutes to record. A few songs off of the album have already been released, giving fans a peek into what they may expect from the rest of the much anticipated album.

After The White Stripes, a duo consisting of White and his former-wife, Meg White, separated in 2011, White embarked on a solo career and released his album, *Blunderbuss*, in 2012. While he was part of The White Stripes, he and Meg (both of whom claimed they were actually siblings for a while) seemed to sing to each other. Their working off of one another gave their music a harmonic dimension that balanced the intensity of the instrumentation.

White’s unaccompanied pieces demonstrate however, that he has adapted well to being a solo artist. White’s first solo album has a similar style to that of The White Stripes albums. The grungy, rock and roll sound that was typical of songs produced by his previous band is maintained and Jack’s complicated character and views on the world are further evident in his work. Fans of the Cold War Kids, The Black Lips and The Black Keys will appreciate his music.

The artist’s solo work asserts itself to the listener, it has the desire to be heard and heard loudly.



COURTESY OF EELLAA VIA FANPOP.COM

Rock/folk fusion artist Jack White keeps fans coming back with his captivating and mysterious style.

After considering working on TV car commercial shoots before forming his band, Jack himself said in an interview with *Rolling Stone* magazine,

“I could see that it was impossible to get your ideas across [in commercial shoots], with all the people — the soundman, lighting people, producers — you had to go through... I suppose that put me in the direction of a two-piece band.”

Jack White’s music has a guttural quality and an ability to evoke his anger with strength while maintaining a hip casualness that makes the listener feel empowered and cool. White appears disenchanted with the world in many of his songs; his voice protests, almost screaming at times, but the sound never feels over the top. Listeners may listen to song after song, the basic style unchang-

ing but still easy to jam to with catchy and melodic choruses, grinding electric guitar riffs and drum beats that give his work an energetic pulse. Sometimes, it’s fun to be angry.

Lazaretto, the pre-released song on the upcoming album (also entitled *Lazaretto*), arouses a similar embitterment and suggests that Jack White will continue to explore this theme in his coming album. This is not to say, however, that White’s songs become redundant. There are many layers to White’s character, reflected in his unusual, if not bizarre, lyrics that prove he is as talented a songwriter as musician.

His lyrics are uniquely descriptive and at times may even seem absurd. It is because of this writing style however that White can so effectively turn everyday events, and life itself, into a farce.

His lyrics also reflect many perspectives and are often quite philosophical.

“In all my songs, I take on roles and play characters. It’s a unique way to explore ideas and decisions I might not think or make in real life,” White said in an interview with *Relevant* magazine.

In *Lazaretto* White sings “My veins are blue and connected and every single bone in my brain is electric, but I dig ditches like the best of ‘em... And even God herself has fewer plans than me, but she never helps me out when my scan’s for free, though she grabs a stick and then she pokes it at me.”

It is interesting that White describes God as being female, something that is rarely, if ever, done in lyrics. It is particularly interesting because White himself wanted to be a priest before turning to music as a career, and religion still plays an important role in his life.

“My roots are Catholic by default. I can take elements from Buddhism or other religions and see the similarities and differences in those, and learn from those, but at the end of the day, I don’t care as much about man’s interpretation of religion. What I care about is what God tells me directly,” he said in the same *Relevant* magazine interview.

Jack White is, as his music reflects, an eccentric and mysterious individual as well as performer.

He will be going on tour this summer from late May until the beginning of August.



COURTESY OF COOKIE MONSTER VIA FANPOP.COM

Jack White will release his second album and tour in the United States as well as abroad this summer.

The Octopodes concert boasts original songs

OCTOPODES, FROM B3 simple enough so that we could learn it, but cool enough that it sounded okay.”

King said he thought he would be very emotional during what could be his last chance to perform on stage, but it ended up being more of a joyous moment than a sad one. “It was in the right place at the right time,” King said.

“I had all my friends

around me. It wasn’t so much a sad moment but rather one that celebrated the past four years and all that we’ve been through.”

Senior Melissa Jordano chose to perform “Animal” by Ke\$ha, a song she had been performing since spring of her sophomore year.

“It’s just a song that has stuck around the group because it’s a really fun arrangement,” Jordano said.

“I think people enjoy singing the background, and I like singing the solo, so I thought it was a good song to go out on, because it has a lot of history in the group.”

Musical Director Peter Yang also performed his last solo, an arrangement of “Beside You” by Marianas Trench.

In addition, the group performed Olly Murs’ “Dance with Me,” Avicii’s “Wake Me Up,” Little Mix’s “Boy,” N Sync’s “It’s Gonna Be Me,” and John Legend’s “All of Me.” Videos of the performances are available on the group’s YouTube channel, jhuoctopodes.

The Octopodes are currently producing an album to be released next fall. Yang and sophomore Joseph Paek, Assistant

Music Director, chose the soloists who will write and compose their own songs. Crystal’s “I Won’t Wait” is one of the tracks that will be featured in the album.

“We are hoping to hit a wide range of genres and grooves with these originals in order to keep the tracklist diverse and interesting,” Paek said.

Paek said he “absolutely loves” recording new albums because the recording studio gets the group to really push themselves, experiment and be innovative.

“With this original album, students can look forward to the same innovation along with hearing each individual song writer’s style that will distinguish each song from one another,” Paek said.

Because the group is still working on their album, Jordano says she has had;

“Waves of sadness [but] there’s still things ahead for us to do, it’s not quite the end yet.”

Parenthood season finale leaves loose ends

By ALLI GRECO
Arts & Entertainment Editor

The season finale of NBC’s *Parenthood* did not run short of cliffhangers, leaving a lot of exciting loose ends to be tied up in the upcoming season.

The biggest and most bittersweet subplot comes when the Braverman family’s grandparents, Camille and Zeek, finally muster the courage to sell their family home.

Packed chock-full of precious family memories, the home was a real treasure to the aging couple, who was apprehensive of entrusting it to another person. However, with encouragement from their realtor and ambitions of starting their next chapter in life, they commit to selling to an eager buyer. What remains to be uncovered in the next season is how Camille and Zeek will approach their next chapter: Will they embrace it head-on, or will they shy away at first with uncertainty?

On a similarly positive note, the Bravermans’ eldest son, Adam, and his warmhearted wife, Kristina, finally get approval to open a school that caters to students with learning disabilities. This comes after their years-long, unsuccessful struggle to mainstream their son, Max, who suffers from Asperger’s syndrome, into a public middle school.

Inspired by both this struggle and the educational platform that she ran on during her mayoral bid in Berkeley, Calif., Kristina, especially, is very eager to provide disadvantaged students with superior schooling opportunities.

Adam and Kristina may have gotten the city’s approval of their proposal, but how are they going to make it a reality? All signs point to their success in renovating their proposed school building, including that they have the support of many local families, but are they going to run into any road bumps along the way?

The romantic storylines in the finale are not necessarily bad, nor are they necessarily good. They leave the audience with feelings of both uncertainty and hopefulness.

Take, for example, the rocky relationship between Julia Braverman and her husband, Joel. Earlier in the season, their marriage took a turn for the worse when she admitted to kissing another man, and he subsequently moved out of the house. For most of the season, they have spent their time in different living situations, shuttling their two young children back and forth from one house to the other. Joel has remained largely unwilling to repair their marriage, while Julia has sat on the sidelines with regret, waiting for the love of her life to return to her.

With this last episode, during which they are brought together at a school function, it finally looked like things had turned upward for the two.

Knowing glances and physical chemistry proved that they still love each other. However, is that just wishful thinking, or will they actually work together on getting back together?

Another up-in-the-air romance involves Drew, Sarah Braverman’s son, and his on-again, off-again, sort-of casual college girlfriend, Natalie.

The show seems to paint Natalie in as negative a light as possible. She is portrayed as a stereotypical, sexually promiscuous, partying college girl. However, there are times when she seems to have another side to her, one that does in fact care for Drew and wants to be with him.

As for Drew, he wants to like Natalie, but does not like neither her casual hookups with other guys nor the duplicity of her character. Even so, there is something about her that he is attracted to, and finally — and successfully — he asks her to be his exclusive girlfriend in the season finale. Of course, viewers are rooting for Drew and want to see him happy, but is Natalie going to be the making or breaking of him?

Drew’s mom, Sarah, likewise leaves the audience in limbo regarding her own love life. Flattered and humbled by ex-boyfriend Hank’s efforts to make himself worthy of her after their breakup, she finally comes back to him and kisses him in the photography studio where they work together. As sweet as Hank has been to better himself for Sarah, he appears to be an unusual match for her.

Given her disastrous past relationships, Sarah seems to need stability and maturity in a man, and Hank’s personality flaws and possible Asperger’s diagnosis do not point toward any of these qualities. Sarah has been successful in launching her photography career and has gotten her act together. Naturally, viewers want her to find love, but Hank may or may not be able to provide her with what she needs in the long run.

As for Sarah’s daughter, Amber, she seems to be headed for either happiness or yet more heartbreak after being reunited with ex-fiancée Ryan. Called to his bedside after he survived a car crash, Amber arrives at the hospital and is at a loss for words when she confronts the man who unexpectedly broke off their engagement.

The logical side of her probably would not have come to the hospital, but she clearly still has feelings for him. The two meet again and painfully embrace; he grimaces from lingering physical pain as a result of the accident, and she breaks down in tears from heartbreak.

The audience does not see the entirety of their embrace, but based on a final scene in which Amber is seen buying a drug-store pregnancy test, it can be inferred that she may or may not have gotten pregnant that night. Like Hank, Ryan is a ticking time bomb, and if Amber finds out that she is expecting a baby, she will have many tough decisions to make.

Ranging from joyful and promising, to sorrowful and uncertain, the plotlines in *Parenthood*’s season finale leave fans with a lot to mull over in the weeks to come. It will be hard to be patient while the beloved series reboots, but what is certain is that the show will maintain its stellar acting and funny, clever and astute writing. The show’s track record indicates that the next season will surpass the most recent one, as amazing and unforgettable as it was.

Stay tunes for *Parenthood*’s upcoming season return on the NBC network.



COURTESY OF AUBREY ALMANZA

The JHU Octopodes will keep audiences singing into the upcoming school year.

ARTS & ENTERTAINMENT

Nobel Prize-winning author passes away

Divergent falls short of high expectations

Film's characters prove average despite complexity in book

MARQUEZ, FROM B3
the unyielding inspiration his native land provided him.

"[It is a] source of insatiable creativity, full of sorrow, of which this roving and nostalgic Colombian is but one cipher more, singled out by fortune. Poets and beggars, musicians and prophets, warriors and scoundrels, all creatures of that unbridled reality, we have had to ask but little of imagination, for our crucial problem has been a lack of conventional means to render our lives believable," Márquez said.

During a memorial service held in Mexico City's Palace of Fine Arts, Juan Manuel Santos, president of Márquez's native Colombia, and Enrique Peña Nieto, president of Mexico, where Márquez lived for over three decades, both eulogized the writer.

Yellow being Márquez's favorite color, the venue was covered in yellow roses. Immediately after the ceremony, thousands of yellow paper butterflies were thrown into the air as

a tribute to the author's *One Hundred Years of Solitude*.

Colombia further memorialized their beloved Gabo as President Santos declared three days of national mourning and ordered flags to be lowered to half-mast across the country. On Wednesday, the country also held a marathon reading of his novella "No One Writes to the Colonel."

Cristobal Pera, editorial director of Penguin Random House Mexico, told *The Associated Press* that Márquez left behind an unpublished manuscript titled "We Shall See Each Other in August."

An excerpt of this work was released in the Spanish newspaper *La Vanguardia* and features descriptions of tropical life as a middle-aged woman has an affair while on her annual trip to place flowers on her mother's grave.

According to Pera, the author's family has not yet decided whether or not to publish the work. Márquez is survived by his wife, Mercedes Barcha, and two sons, Rodrigo and Gonzalo.

Let's talk about young adult (hereafter YA) films.

Perhaps one of the most odd and, admittedly, diverse genres in media, Young Adult (YA) films come in as many varieties as there are colors. From the realistic to the fantastic, the lovely to the loveless, action to drama and everything in between, the genre has typically lacked any internal consistency, aside from the age range of the audience.

While *Harry Potter* and its like may technically fall into the category of YA fiction (on that gray border with children's fiction), true modern YA films really seemed to gain prominence with the rise of the famous, or perhaps notorious, *Twilight* empire. Typically targeted at the teenage and twenty-something demographic, modern YA work has become somewhat infamous for featuring overblown teenage drama, love triangles (or perhaps octagons) and, more recently, very grim and supposedly edgy fantastical plots and settings. Typically dystopian, and filled to the brim with teenagers whose fighting skills put Bruce Lee to shame, these films aim to be equally light and heavy.

It occurs to me that I may not be the best to look at this movie as it stands within the genre. I, admittedly, find much of the genre to be tired and filled with far too many clichés. However, I can still tell a good YA film from a poor one, and rarely has a film so lifelessly conformed to genre conventions as has *Divergent*.

Set in a society where



AVCLUB.COM
The film, *Divergent*, is set in a society in which people are assessed and sorted into societal factions.

people are essentially assessed and sorted into societal factions based on their psychological and physical potential, *Divergent* clearly opts into the dystopian cliché of most YA works, so immediately there's one strike against it in the originality department. Upon taking her sorting test, protagonist Beatrice (Shailene Woodley) discovers that she is "divergent." In uni-

verse, this means that she fits into any number of these categories of people and thus can't be properly sorted. Out of universe, this means that she can act as inconsistently as possible during the plot, and audiences are just supposed to accept it.

After being advised to hide her ability from the public eye, Beatrice, or Tris, elects to join the Dauntless faction, which is essentially this world's warrior class. As she joins up with the ranks of the Dauntless, she begins to develop her abilities, connecting with another Dauntless named Four (Theo James). She learns more about what it means to be divergent, conquers generic training montage obstacles and begins to uncover a sinister plot which would have serious repercussions for all societal classes.

The biggest problem with this film is that there is absolutely nothing new here, and audiences will pick up on this almost immediately. The characters are bland, cardboard cutouts, the likes of which we've

all come to expect in films like this. That's not to say they're bad; poor Shailene Woodley is clearly giving her all. But whether it's the script, atmosphere or past influences, she is essentially channeling the concentrated essence of Jennifer Lawrence throughout the film. If you know Katniss Everdeen, you know Beatrice; they are essentially the same character, at least personality-wise. The love story feels just like every other YA romance ever contrived. We all expect it to happen, despite how little logical buildup there may be. There are plenty of characters that all sport their own trademark quirks and oddities, but, with the exception of Four, most are utterly forgettable. To give credit where it's due, James does give an endearing performance as Four. However, he is completely overshadowed by the film's slow, formulaic,

yet bloated atmosphere.

This film lacks originality right down to its color palette. The environments are bright, diverse and visually inspired, with a number of aesthetically appealing sets — or, at least, they should be. In editing, the production team decided to run the film through the same grayish misty filter so prevalent in the *Hunger Games* films, all four *Twilight* films and the last four *Harry Potter* movies. While not bad in and of itself, this filter has become so overused by now that it may as well be called the "YA filter." The action scenes, while certainly well-choreographed, are plagued with shaky camera effects, which make it entirely too difficult

to figure out what is going on. Audiences will most definitely be begging the cameraman to take a few steps back every once in a while.

At the end of the day, *Divergent* comes out to be just one of many in the YA dystopian pack, which is very unfortunate. While the dystopian sorting

may be overdone, the film could have been saved had the characters been compelling enough to take it in its own unique direction or address issues in a new or intriguing way. None of that happens. From start to finish, the plot is generic and utterly predictable. The characters are generic YA stereotypes and fall extremely flat. It's filmed in a generic YA style, with a generic, overly sad and dramatic YA soundtrack. It's disappointing how few new ideas come across in the film. If you are very, very into the genre, you may glean some enjoyment from this film; it is the cookie-cutter definition of the genre. For the rest, this is one doomed to be filed away on a shelf next to all the others of its ilk, as we struggle to remember which one was which.

Overall rating: 3/5



COURTESY OF SOLE-ESCAPE VIA DEVIANTART.COM
Márquez, who invented magical realism, has recently died at age 87.

Senior AllNighters experience emotional goodbye

ALLNIGHTERS, FROM B3
"Tattooed Heart."

The AllNighters returned with a comedic original that poked fun at the group's "mediocre" skill.

Then came sophomore Brian Gilbert, who slowed things down with "Something Special" by Usher. Gilbert designated himself a crowd favorite at his first AllNighters performance, when he soloed to the concert encore "Nothing from Nothing" by Billy Preston. This time, however, Gilbert 'mellowed as fellow members gathered around on barstools.

Without any attention shifted to his stellar dancing or crowd-pleasing tactics (memories of Gilbert planting a kiss on a special audience member may ring a bell), guests were able to appreciate Gilbert's raw, vocal ability. Indeed, "Something Special" received the full focus it deserved.

Following a hilarious video screening, the atmosphere in Bloomberg took a very somber turn. Music Director Ari Messenger began the heart-breaking process of sending off senior members in traditional send-off fashion. President Dan Kahn listened as Messenger gave thanks, describing Kahn's unrelenting dedication and patience while teaching the Music Director ropes. After receiving gifts, including a graduation plaque and a Stanford sweatshirt, Kahn sang his senior solo, "Sing for Me" by Yellowcard.

Sophomore John An followed suit to send off Johnny Thibau. An described Thibau's caring leadership and mediating presence. According to An, Thibau

is esteemed by members as a father figure who steps up in times of discord. After accepting his plaque and "Hopkins Dad" mug, Thibau performed a warm rendition of The Eagles' "Desperado."

"I was nervous leading up to it," Thibau said. "My voice may have even stumbled a bit for the first notes, but I started feeling it and everything fell into place. With such a vibrant crowd and my family in the audience looking on, I felt greater confidence and was able to put more feeling into the lyrics. I was

happy to end on that note."

To uplift the emotional weight of the send-offs, John heightened the room's sexual tension with "Gorilla" by Bruno Mars.

Most frequently behind the microphone as a beat-boxer, it was great to listen to An take his turn in the spotlight as a soloist.

Freshman Andy Kim held the spotlight next in what may have been the standout performance of the night. The audience remained silent as Kim sang "Say Something" by A Great Big World. Jaws dropped and chills spread

**My voice ...
stumbled for the
first notes, but I
started feeling it,
and everything
fell into place.**

**—JOHNNY THIBAU,
MEMBER OF THE
ALLNIGHTERS**



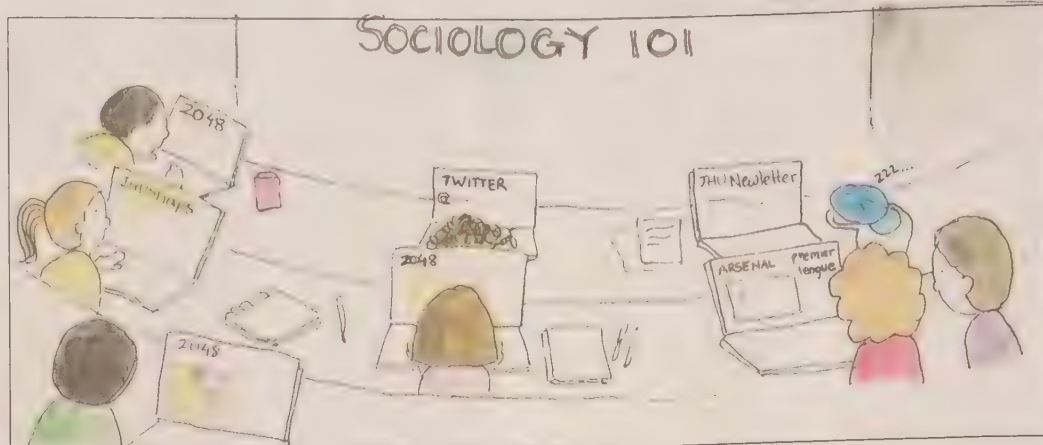
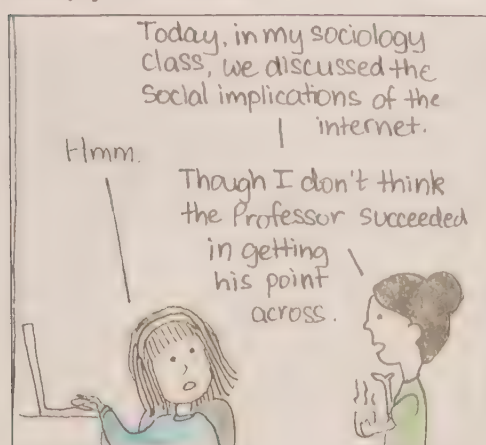
LEON SANTHAKUMAR/PHOTOGRAPHY EDITOR

Hopkins' male a cappella group invited the community to participate in their 21st birthday celebrations.

CARTOONS, ETC.

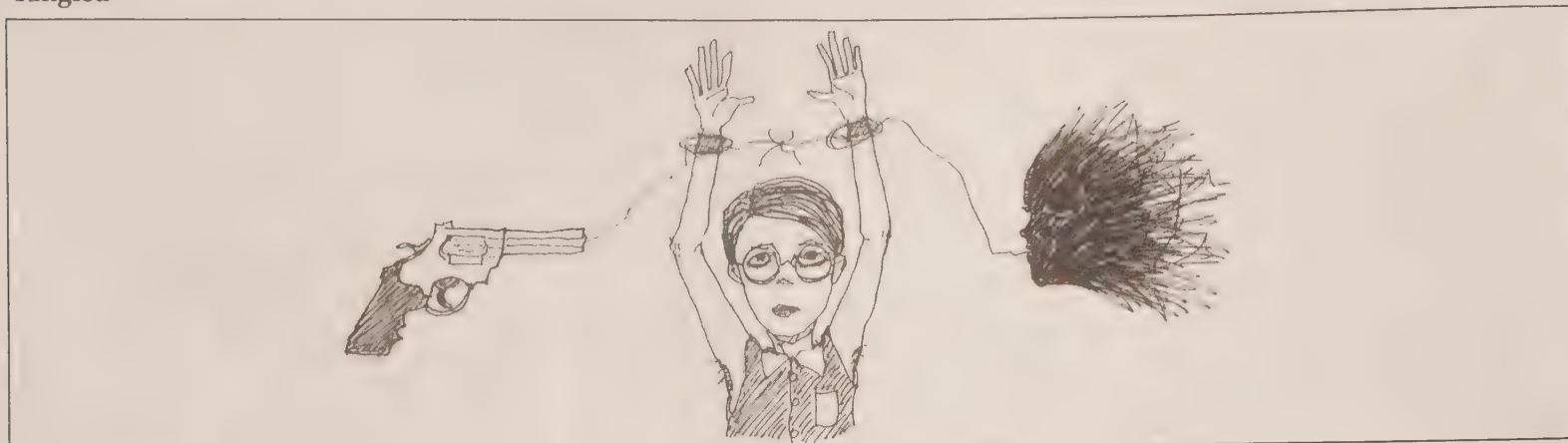
Blue Jay Chronicles

By Sachi Sanghavi



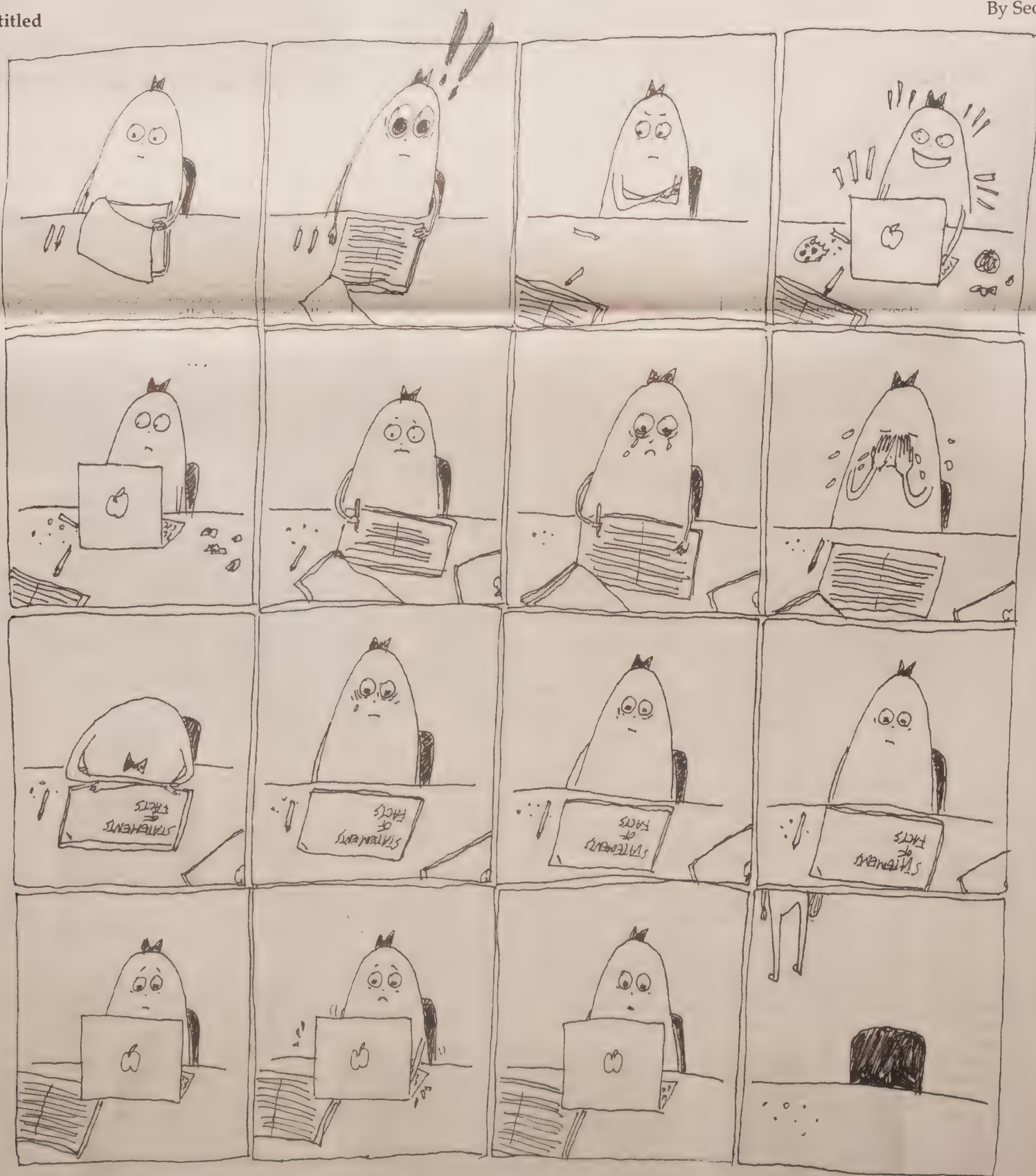
Tangled

By Seola



Untitled

By Seola



Acrostic
By Shaun McGovern

1 H	2 E	3 CH	4 M	5 HQ		6 M	7 N	8 P	9 T	10 J	11 A		12 B	13 E		14 C	15 Q	16 R	17 E	18 M	19 R	20 H	21 A	22 GL	23 I	24 T
25 R			26 P	27 L		28 G	29 M	30 K	31 S	32 I	33 R	34 P	35 H		36 P	37 M	38 F		39 B	40 R		41 R	42 A	43 N	44 R	
	45 K	46 I	47 C		48 G	49 I	50 N	51 N	52 A	53 K	54 M	55 P		56 N	57 D		58 R	59 F	60 I	61 H	62 H	63 I	64 P	65 E		
	66 E	67 N	68 V		69 I	70 R	71 O	72 N	73 M	74 E	75 N	76 T		77 O	78 F		79 C	80 O	81 U	82 R	83 A	84 G	85 E			
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	106 O	107 U	108 S		109 F	110 R	111 E	112 E	113 D	114 O	115 M		116 A	117 R	118 E		119 C	120 O	121 N	122 S	123 T	124 A	125 N			
126 K	127 Q	128 LB	129 HL		130 G	131 D	132 H	133 Q	134 IR	135 G		136 P	137 M	138 R	139 M		140 F	141 J	142 R		143 B	144 H				
	145 T	146 L	147 Y		148 P	149 U	150 S	151 H	152 I	153 N	154 G		155 B	156 A	157 C	158 K		159 T	160 H	161 E		162 D	163 A			
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	183 R	184 K		185 W	186 A	187 L	188 L	189 S		190 O	191 F		192 T	193 H	194 E		195 U	196 N	197 K	198 N	199 O	200 W	201 N			

SCIENCE & TECHNOLOGY

Lab successfully grows functional vaginas

By **KELLY CARTY**

Science & Technology Editor

Four teenage girls born with Mayer-Rokitansky-Küster-Hauser syndrome, a condition that causes the underdevelopment or

complete absence of the vagina, cervix and uterus, have successfully received vaginas grown from their own cells. The vaginal development, implantation and incorporation were reported on April 10 in *The*

Lancet by researchers from the Wake Forest Baptist Medical Center.

The lab-grown vaginas began as vulvar tissue samples. These samples, taken from the female patients when they were between the ages of 13 and 18, were incubated for four weeks and then layered onto a cellular scaffold. In an interview with *The News-Letter*, Kathryn Tift, a lecturer in the Biology Department at Hopkins, described the use of a cellular scaffold.

"The scaffold provides the structure that gives the organ physical shape and ... may provide physical cues that help the cells to act appropriately," Tift said.

One face of the vaginal scaffold used by the Wake Forest researchers included cells that would become vaginal epithelial cells; the other face supported cells that would become vaginal muscle tissue. By working with a team of surgeons from the Federico Gomez Children's Hospi-

tal of Mexico, the Wake Forest researchers were able to ensure that the scaffolds were individually sized for each patient.

Once the cell-scaffold constructs were properly formed, the researchers developed them in a bioreactor, an incubation device that maintains the same conditions as the human body. After about a week, the Wake Forest researchers handed the lab-grown vaginas back to the surgeons for implantation. The implantations, which involved the careful forging of connections between vaginal and uterine tissues, occurred between 2005 and 2008. The researchers closely monitored the structure and function of the vaginas before publishing the results this April.

According to the published results, the patients could menstruate and have sexual intercourse six months after surgery. Amazingly, the sexual experiences were not only pain-free,

SEE VAGINAS, PAGE B8



The inserted vaginas function in the same way as ordinary vaginas.



Cancer cells overexpress growth factors, leading to angiogenesis.

Researchers can fight cancer with 3D printing

By **JOSH SCARALIA**

Staff Writer

With the ability to create anything from toys to guns to shoes, three-dimensional printing has become a major player in today's market. Recently, a group of researchers from China and the U.S. have taken 3D printing to the medical field, successfully printing cancer cell models. The researchers' model consists of HeLa cells, the immortal line of cancer cells derived from a patient at the Hopkins Hospital in 1951, printed in a fibrous protein scaffold. This in vitro setup accurately recreates the environment of the cancer cells in vivo and allows researchers to find efficient anti-cancer drugs.

Before the creation of this model, researchers had to rely on 2D tumor representation. Unfortunately, the 2D model did not accurately recreate the physiology of the tumor cell or its surrounding environment. The cells in 3D printing technique exhibit significant advancements, including an increased proliferation rate, enhanced protein expression, and amplified resistance to anti-cancer drugs. Additionally, the 3D printed cancer cells regularly form cellular spheroids. All of these characteristics make the 3D model more represen-

tative of the characteristics of cancer cells in vivo.

One of the main concerns with this project was whether the HeLa cells could survive the extreme conditions of 3D printing. At the end of the study, the researchers surprisingly found that 90 percent of the 3D printed HeLa cells remained viable.

The 3D model and the 2D model were compared through analysis of the cancer cells' expression of matrix metalloproteinases. Matrix metalloproteinases (MMPs) are extracellular proteins that degrade the fibrous scaffold around the cells. Cancer cells frequently overexpress these proteins because the space created by the MMPs increases the cell's free space to grow into, and thus their proliferation rate. The research team found that the 3D printed model outperformed the 2D model in terms of expression accuracy.

As per their basic characteristics, cancer cells frequently overexpress proteins that will allow for rapid growth. In addition to MMPs, cancer cells are shown to overexpress vascular endothelial growth factor (VEGF). This extracellular protein stimulates the growth of blood vessel around cells in a process called angio-

SEE 3D PRINTING, PAGE B8

How exactly do airplane black boxes work?

By **SOPHIA GAUTHIER**

Science & Technology Editor

"If black boxes are indestructible, why don't they make the whole plane out of that stuff?"

This quip has been tossed around ever since the advent of the unbreakable aviation recorder. It does, however, prompt the following questions: what exactly are black boxes made of and how do they work?

In light of the recent Malaysian Airlines Flight 370 tragedy, we know several things: the black box is crucial to the investigation and increasingly difficult to find. It is necessary

to first clarify that black boxes, or flight recorders, are actually painted bright orange to make them easier to locate. Black boxes are also technically two distinct pieces of equipment: a flight data recorder and a cockpit voice recorder. Planes are fitted with both.

The flight data recorder stores any electronic information sent to electronic systems within the aircraft. This includes a variety of flight parameters such as location, altitude, airspeed, engine condition, time of day, etc. The cockpit voice recorder records the last two hours of conversation between the flight crew and air traffic controllers along

with any ambient background noise — which can be crucial to understanding the context of a crash. For a flight that is longer than two hours, the cockpit voice recorder tapes over the earliest data to continuously

capture the last two hours of information, and all of this data must be protected.

To achieve the black box's indestructible status, companies design the equipment to withstand 3400 G's

SEE BLACK BOXES, PAGE B8



EGR.URLEDU

Black boxes, actually painted bright orange, are almost indestructible.

Juno proteins helps sperm to fertilize eggs

By **SEAN YAMAKAWA**

Staff Writer

The missing piece to understanding mammalian conception has finally been uncovered. Last week, Gavin Wright, a researcher at the Wellcome Trust Sanger Institute, and his team reported the discovery of the protein that facilitates sperm-egg binding. In an article published in *Nature*, the British scientists describe the identification of Juno, a protein located on the surface of murine eggs.

Since 2005, scientists have known that Izumo1, which is a protein located on the surface of sperm, allows sperm to bind

to an egg. However, the complementary receptor protein for Izumo1 was unknown. This missing knowledge left a huge gap in scientific understanding of how sperm-egg binding conferred species specificity onto fertilization.

Why did the identification of Juno take upwards of a decade? Scientists had difficulty finding the Izumo1 complementary protein because the initial interactions are relatively weak. The weak bonding made observation and isolation extremely difficult. To identify Juno, Wright and his team developed a method to cluster Izumo1

SEE FERTILIZATION, PAGE B8



CLASSES.BIOLOGY.UCSD.EDU

New research has discovered a protein that helps sperm bind to eggs.

Anti-jet lag app resets circadian rhythms

By **JOEL PALLY**

Staff Writer

Whether it's going back home on Thanksgiving, or coming back from studying abroad, many of us have fallen victim to jet lag. We find ourselves waiting impatiently for our bodies to catch up to our new schedules, sometimes trying to reassign our circadian rhythm, or internal clock, with caffeine or nyquil. Like the hangover, jet lag holds special place in daily conversation as one of those ailments for which everyone has a remedy but no one has a cure. Until now, that is, as a group of researchers at the University of Michigan believe they have developed a system to help global travelers overcome their jet lag quicker and easier than ever before.

Remarkably, this tool is only a free download away on the iTunes app store, with an android version coming soon. Entrain, developed by Olivia Walch, a graduate student at the University of Michigan, is a mobile app aimed at resetting your circadian rhythm and helping you optimally



STUDIOABROAD.NEWPALTZ.EDU

Most people have experienced jet lag, especially after traveling, but a new app may help us overcome it.

adjust to changing time zones. The app is rooted in mathematical models of human circadian rhythms recently developed by Danny Forger, a professor of mathematics and computational medicine at the University of Michigan. His most recent work includes a publication in the journal *PLOS Computational Biology* in which he

outlines two of the models used by Entrain.

This anti-jet lag app works by first creating a detailed account of the user's circadian rhythm. It records not only the time of day and the user's duration of sleep, but also factors in the intensity of light a person is exposed to over the course of the day. These factors together

help the app tailor its recommendations to best suit the user. It builds on recent scientific findings that show how exposure to different intensities of light at different points of the day can influence a circadian rhythm.

If the user alerts Entrain to a change in location, the app can implement

SEE JET LAG, PAGE B8

Aviation recorders seem to be indestructible



NLM.NIH.GOV
In the event of an aviation accident, black boxes are retrieved to facilitate the crash scene investigation efforts.

BLACK BOXES, FROM B7
of force (forces that are 3400 times the force of gravity) which is roughly the equivalent to an impact velocity of 310 mph. To put this in perspective, commercial planes at cruising altitude travel at around 600 mph. Black boxes are also designed to withstand temperatures of up to 2000 degrees Fahrenheit (which is around the same temperature as molten lava) for one hour of time. These specifications are made possible via a distinct infrastructure. The inner memory chips are first wrapped in a thin lay-

er of aluminum. This layer is then surrounded by a one inch thick encasing of heavy-duty insulation. Lastly, the whole package is surrounded by a layer of corrosion-resistant stainless steel or titanium. Surprisingly, black boxes have been known to outperform their standards. Recovery difficulties are historically attributed to lost boxes rather than destroyed boxes.

To aid investigators searching for an unknown crash site, aviation recorders are also mounted with an underwater locator beacon (ULB). This canister is activated via contact with water, which causes it to emit an ultrasonic pulse once per second for about thirty days. Thereafter, the lithium battery that powers the frequency emission generally dies out.

The more time passes, the more time that wind and ocean currents have to move the debris away.

Scientists print 3-dimensional cancer models

3D PRINTING, FROM B7
genesis. Because cancer cells grow so rapidly they need access to a greater amount of nutrients and

oxygen. Thus, by overexpressing VEGF, cancer cells can pull in the nutrients necessary for growth. The rapid, uncontrolled

growth of these cancer-stimulated blood vessels causes them to develop in such a way that they are full of holes and gaps. Many anticancer drug therapies take advantage of this fact by creating drug nanoparticles small enough to enter these gaps. Once in the gaps, the drugs can efficiently target the tumor site behind the blood vessels. The property by which nano drugs accumulate at tumor sites is referred to as the Enhanced Permeability and Retention effect.

Another growth factor that is overexpressed by cancer cells is the transmembrane protein human epidermal growth factor receptor 2 (HER2). When HER1, HER3 or HER4 receptors bind a ligand they quickly dimerize with a different HER receptor. Dimerization with HER2 begins a chain reaction

that results in the generation of a growth signal in the cell. By over expressing HER2 receptors, a cancer cell ensures the dimerization with HER2 and thus the growth of the cell. The researchers involved in this project hope to study the development, invasion, metastasis and treatment of 3D printed cancer cells from patients.



EXPLORATORIUM.EDU
The HeLa cancer cell line originated from Henrietta Lacks's body.

Travelers get on track with app

JET LAG, FROM B7
a schedule with recommended light exposure and sleep times so the user can make the easiest possible transition. The power of this approach comes from Entrain's flexibility. The plan is a function of the user's individual circadian rhythm and will adapt if the user fails

to follow the app's directions. This development represents a work in progress, as Entrain was developed as a service to the public and a research tool. Forger and his colleagues have made the app free to the public but have requested that users anonymously report jet lag and

travel information to the app for further improvement of the models. Entrain has soared in popularity, particularly among the travel community, ranking ahead of popular travel apps such as Jet Blue and Skype. With this potentially large dataset, these algorithms will only improve with time.



CWU.EDU
People who travel across many time zones often experience crippling fatigue after exiting the airplane.

Love-making linked with sexy new protein

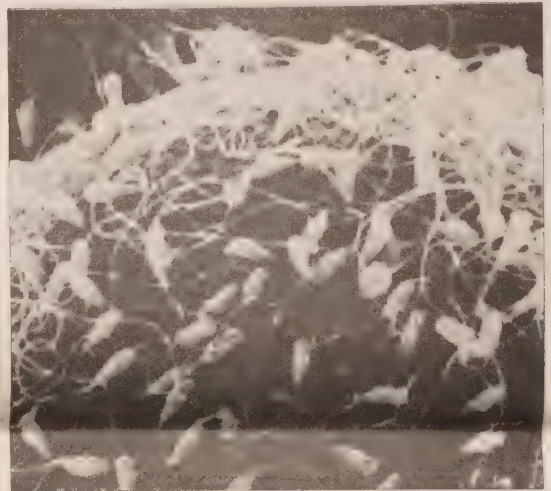
FERTILIZATION, FROM B7
proteins in cell culture. In smaller scales of sperm-egg interaction, the bonding of surface proteins are challenging to detect. With Wright and his team's method, however, the higher magnitude of interactions become stabilized and are easy to detect. After the sperm proteins were clustered, the researchers could analyze the bound proteins.

As expected, the team also found in an experiment that eggs that lack the expression of Juno protein are infertile and do not attract sperm. Furthermore, after Izumo1-Juno interactions, the fertilized egg will rapidly shed Juno to ensure that each egg will only bind to one sperm. After merely thirty to forty-five minutes, the egg surface did not contain Juno. This protects the egg from polyspermy, a condition that could lead to genetic chaos. Antibodies that block the Izumo1 and Juno interaction also inhibited fertilization of the egg.

The two romantically involved proteins have

yet to unravel the entirety of the sperm-egg relationship. For example, the underlying mechanisms needed to fuse the two gametes together is still unclear. Some scientists postulate that other proteins are involved to guide Izumo1 and Juno to each other. Interestingly, because of their weak bonding, researchers suggest that the local clustering of Juno in the cell membrane is essential for efficient binding of Izumo1.

Though the experiment only used murine sperm and egg, the researchers suggest that the results can be applied to several other mammalian species, including humans. This breakthrough, which provides a fuller explanation of the process of conception, can give rise to more targeted research for new forms of birth control or infertility treatments. As the climax of the fertilization process is illuminated, scientists can finally begin developments for drugs that target these love proteins.



LIFE.BIO.SUNYSB.EDU
Protein on egg connects to sperm protein for successful fertilization.

Implanted vaginas can have sex

VAGINAS, FROM B7
but reportedly involved normal levels of sexual arousal, satisfaction and orgasm. This demonstrates that the lab-grown vaginas were properly connected to the nervous system. Vaginal innervation allows for physical changes to the female genitalia upon sexual arousal. In the absence of these changes, particularly if vaginal lubrication is not increased, sex can be painful for the female.

Currently, patients suffering from Mayer-Rokitansky-Kuster-Hauser Syndrome can either undergo tissue dilation or reconstructive surgery. Dilation of existing tissue is only possible in mild cases of the condition, as it relies on the existence of vaginal tissue. Several underdeveloped vaginas or the complete absence of vaginal tissue necessitates reconstructive surgery. This procedure involves tissue grafts from other body parts, usually the intestine or parts of the skin. Although this reconstructive surgery uses the patient's own cells, it has a high risk of complication. According to Tifft, this increased risk is not surprising.

"Different cell types act very differently, so cells from the skin or organ are unlikely to function exactly like normal vaginal cells. Organs grown using cells from the same organ that is being made are more likely to be able to function properly than cells from a different tissue," Tifft said.

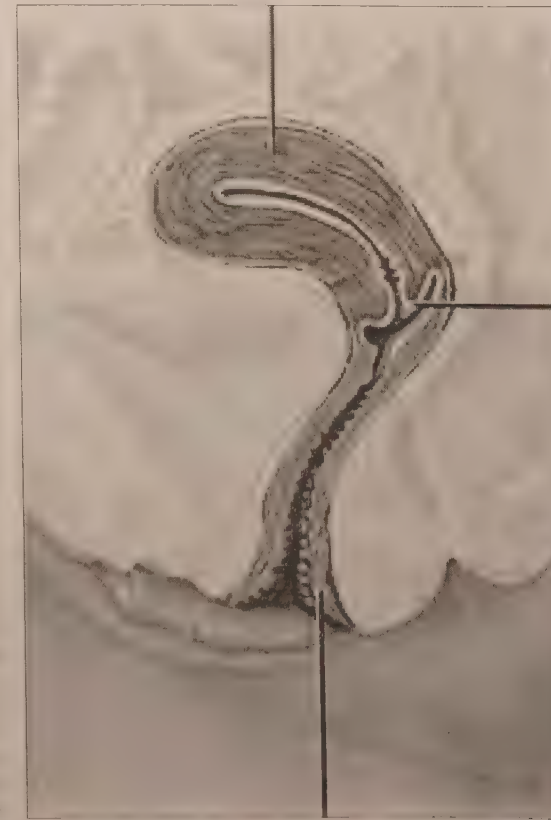
This new procedure is a welcome alternative to tissue dilation and reconstructive surgery. The lab-grown vaginas are

developed until the structural cells can recruit other cells in vivo to fully form the organ. This ensures the incorporation of localized cells, lowering the risk of complications. Furthermore, the scaffold, which is the only part of the implanted structure foreign to the patient's body, degrades months after the surgery. This leaves the patients' own cells to form the muscles and epithelial cells of the vagina.

"The cells will secrete molecules to create a scaffold of extracellular matrix molecules that are naturally found in these organs," Tifft said. Es-

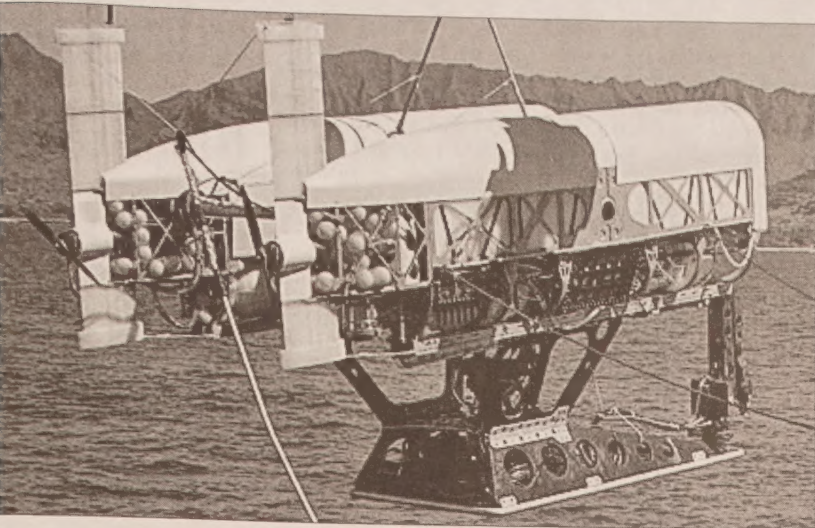
entially, this means the cultured cells replace the degraded scaffold.

The four lab-grown vaginas that were successfully grown and implanted represent a huge advance for both genitalia-related surgery and reconstructive medicine as a whole. Lab-grown sexual organs can help alleviate genitalia problems related to trauma and cancer and serve as a useful for people seeking sex-reassignment surgery. Moreover, these amazing tissues demonstrate that lab-engineered organs can grow inside the human body to fully functioning capacity.



NLM.NIH.GOV
These implanted laboratory-grown vaginas are capable of menstruation.

International research team explores ocean



The research team uses an autonomous underwater vehicle, called Nereus, to explore the Kermadec Trench.

By **LIZZY LIU**
Staff Writer

It is hard to believe that parts of Earth remain unexplored. But, even today, there are still places on our planet that have escaped the gaze of human eyes. Scientists from around the world decided to team up and dive deeper into the dark depths of the Hadal Zone, which has parts of the ocean that are more than 6,000 meters deep. The team, which includes researchers from the U.S. and Scotland, started the proposed three-year expedition on Saturday, April 12, 2014.

The expedition is part of an international effort to observe and compare life in different deep ocean trenches and neighboring seafloor plains. This project is described

as the first to systematically study organisms in deep sea trenches. The international team's goal is to collect images and samples of the unusual marine life that survives in the extreme temperatures and immense pressures of oceanic trenches. Their first stop? The Kermadec Trench. The Kermadec Trench, one of the Earth's deepest trenches, is the perfect place to begin. It was formed by subduction, where the Pacific tectonic plate pushed itself under the Indo-Australian plate, right between New Zealand's North Island and Tonga. This oceanic trench the second deepest in the world — the seafloor is estimated to be about 10,047 meters below the surface. Currents flowing from Antarctica also

make Kermadec's waters among the coldest of the deep ocean trenches. The trench is also lined by an arc of undersea volcanoes, creating a diverse underwater environment that harbors some of the world's strangest organisms. Since this area is considered one of the last relatively untouched areas of the planet, scientists are hopeful about their prospects of discovering new species there. The team plans on exploring the trench for about 40 days, from April 12 to May 20. Because humans are not physically capable of withstanding the enormous pressures of the deep sea, the scientists and engineers have to use remotely operated vehicles, baited cameras and landers to explore the dark depths of the Kermadec. The

HROV Nereus, created by the Woods Hole Oceanographic Institution, is just one of the high-tech machines the researchers have at their disposal. It is an unmanned vehicle that is made out of ceramic materials to provide bounce as well as protection for the vehicle from collapsing under the intense pressure underwater. Nereus can operate in two modes: autonomously and remotely. As an autonomous underwater vehicle, it swims around freely on its own accord and surveys large areas and maps out the seafloor to give the scientists a broad overview of the geography of the environment. When it locates something that seems interesting, the vehicle sends a signal up to the researchers and the support team can bring the vehicle back on board the ship. There, they can attach a hair-thin optical fiber to Nereus and transform it into a remotely operated vehicle. Through this tether, Nereus can receive commands from pilots on deck, collect samples or conduct experiments with a manipulator arm, and transmit high-quality, real-time video images back up to the ship. The public can follow the researchers' expedition online at web.whoi.edu/hades, where the scientists have been documenting their exploration of the Kermadec Trench with blog posts, images and live video feeds.

Stress has harmful effects on the brain

By **REGINA PALATINI**
Staff Writer

After being under the severe stress and anxiety associated with exams or papers, most of us are able to readjust after the assessment is submitted. We can finally get a good night's sleep, and our mental state is much better than it was before the exam. It's great if we feel back on track by having a healthy and relaxing post-exam day, but a recent study by researchers at Hopkins has found that the effects of stress are not restricted to the temporary feelings of anxiety. Stress, according to this study, can be permanently harmful to the brain.

The researchers performed this study by administering cortisol to mice. Cortisol, also known as glucocorticoid, is the same hormone that humans produce under stress. Surprisingly, the researchers found that mice given significant amounts of cortisol not only experienced changes in their DNA, but also had changes in their brain tissue. These two types of changes were found to be intertwined; when there was a large number of DNA modifications, there was also significant changes to brain tissue. This link is an example of a well-documented physiological relationship known as the "blood-brain connection."

So, why is the blood-brain connection important? It was previously assumed in the scientific community that DNA changes in the brain aligned with DNA changes in the blood. This particular study is notable because it confirms that we can learn about changes to the brain through observing changes in the blood. The blood-brain connection has great implications for

the medical field, as it is far easier to monitor the blood than it is to detect changes in the brain. The switch from brain monitoring to blood tests could lead to a revolution in medicine. Firstly, this switch could lead to more cost-effective treatment. Currently, patients and healthcare companies often face overwhelming financial costs when attempting to find any changes in the composition of the brain. If the blood-brain connection is as tight as this study suggests, costly brain procedures could be replaced with less financially demanding efforts to detect changes in blood. This would play a major role in the healthcare system's attempt to bend its cost curve. Secondly, this research could significantly help mental health patients who have difficulty finding the right medication. By monitoring the blood for DNA changes, physicians can easily determine the effects of a certain medication. This will allow doctors to decide whether another medication might be better suited for the patient much faster than currently possible. The Hopkins researchers who have helped to establish this blood-brain connection are not likely to stop with this study. When the researchers were observing the effects of stress hormones on mice, they found that changes in the brain were not located in the expected locations. During treatment for mental disorders, it is extremely useful to know the areas of the brain that are affected by medication and areas of the brain that typically resist medication-induced changes. With further research, this knowledge could be extensively developed, potentially helping patients worldwide.

New toilet for astronauts can recycle urine

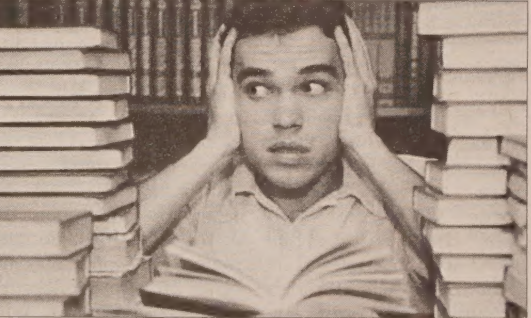
By **MARK STUCZYNSKI**
Staff Writer

If Bear Grylls has taught us anything, it's that sometimes, when you're thirsty, almost anything is going to work. Nowhere is this more evident than on board space stations, where high mission costs make the transport of water very costly. Fortunately for astronauts, scientists Eduardo Nicolau and Carlos Cabrera have devised a way to turn urine into power and clean drinking water. Currently, each spacecraft is equipped with a unisex toilet that consists of a commode that holds human waste. Because of the weightless environment, the toilet comes equipped with foot restraints to prevent astronauts from floating away. The toilet also has a thigh bar to pull down over your lap, similar to safety bars on rollercoasters. In addition, the toilet uses flowing air instead of water to flush the toilet. After bacteria and odors have been filtered out, the air is returned to the cabin. Because more than half of total waste from space

trips are human emissions — the other half are usually recyclables like paper or various metals — a method to treat and reuse this waste is a necessity. It's estimated that in future space missions, human liquid waste will make up 54 percent of total waste, and of that 81.4 percent will be urine. There are high launch costs to get fresh water into space, and the urine has to be removed in some way to keep the environment clean for the astronauts. Because of this, it's practical to look at urine as a source of fresh water. While many purification schemes exist, the proposed Urea Bioreactor Electrochemical unit not only recycles urine into potable water, but also can be used to generate electricity. Past studies have looked into a process called forward osmosis, a treatment process for wastewater that uses osmosis to separate water from dissolved solutes. The studies found that forward osmosis, in conjunction with a fuel cell, can even generate power.

Nicolau and Cabrera decided to build on these studies to find a way to purify urine. The research combined urea in a bioreactor in the presence of GAC-urease, an enzyme that can turn urea into ammonia. Once the urea was converted into ammonia, the ammonia could be converted into power using an electrochemical cell. This combined system, the bioreactor as well as electrochemical cell, are referred to by the researchers as the Urea Bioreactor Electrochemical (UBE) unit. This research found that over 80 percent of organic carbons were removed from the urea, and approximately 86 percent of urea was converted into ammonia. The ammonia, which is then converted into electricity, can be used for various purposes, and the leftover water is pure enough to drink. The study, which was funded in part by NASA, was published in *ACS Sustainable Chemistry and Engineering*, as a paper titled "Evaluation of a Urea Bioelectrochemical System for Wastewater Treatment

Processes". The paper authors are Nicolau, Cabrera, Jose J. Fonseca, Jose A. Rodriguez-Martinez, Tra My Justine Richardson, Michael Flynn and Kai Griebenow. Since publishing the study, Nicolau and Cabrera have set up a larger-scale UBE system for testing at the NASA Ames Research Center. Although the UBE system was originally designed for use in space, the paper's authors note that it could also be used in any wastewater treatment system that contains urea or ammonia. This means that it could have a number of other potential uses, one of which could be treating water in third-world countries.



When people get stressed, it can have a permanent effect on the brain.

Napping linked to earlier death

By **KELLY CARTY**
Science & Technology Editor

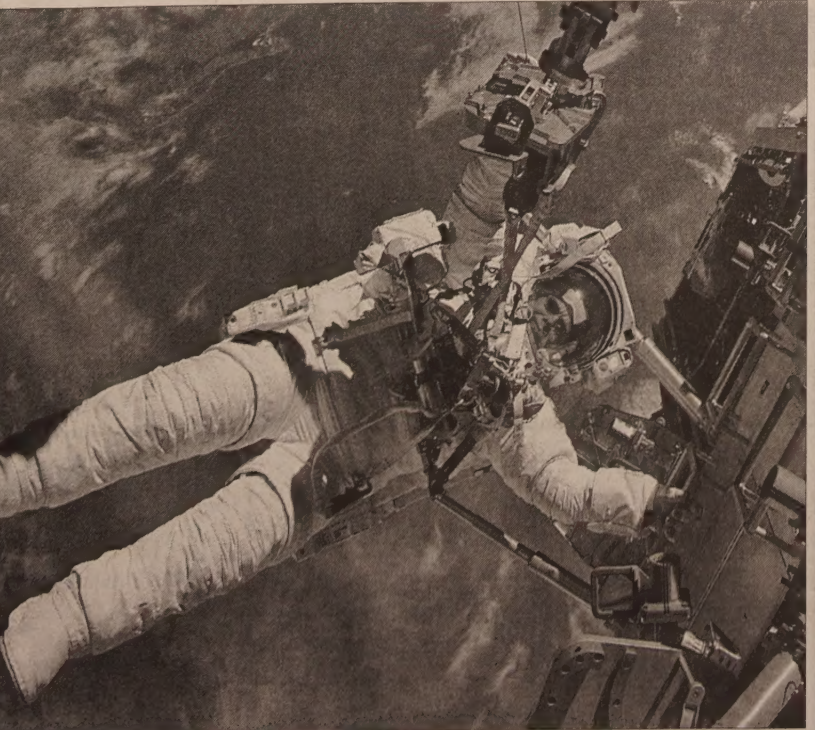
Middle-aged nappers, beware. According to a study published in the May issue of the *American Journal of Epidemiology*, daytime napping is linked to an increased risk of death. Researchers from the University of Cambridge interviewed 16,000 people living in England on their napping habits between 1998 and 2000 and then followed them for 13 years. Surprisingly, the study showed that people between the ages of 40 and 79 who took daytime naps for less than an hour were 14 percent more likely to die within a 13-year period than those who did not nap. If the nap time increased to an hour or more, this risk increased to 32 percent. The highest risk of death was associated with the youngest group: participants between the ages of 40 and 65 who took naps were twice as likely to die in the 13-year period than their non-napping counterparts. The researchers stressed that the discovered link be-

tween napping and death is probably not a causal relation. Although the results held after corrections for age, gender, body mass index (BMI), smoking history, exercise habits and pre-existing conditions, napping could indicate other undiagnosed conditions that affect risk of death. Because napper deaths were particularly linked to respiratory disease, the researchers think sleep apnea may be the missing link between napping and death. This condition,

which causes pauses in breathing during sleep, often leads to daytime fatigue. It is also linked to an increased risk of death. The original study did not document sleep apnea among participants. Although the researchers could approximate cases of sleep apnea by examining BMI and high blood pressure medications, they would like to directly account for sleep apnea in future studies. Rest assured, nappers. Your fate is not yet sealed.

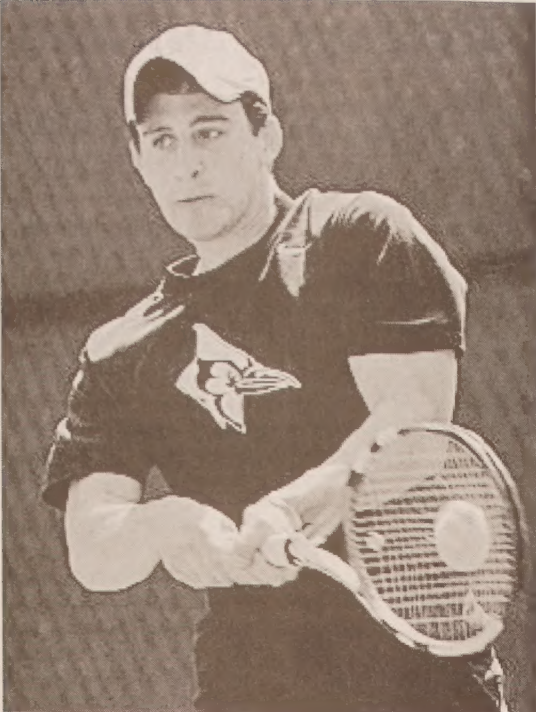


Research shows a possible link between napping and earlier death.



The newly developed toilet may help astronauts get fresh water in space and get rid of their urine.

SPORTS



HOPKINSSPORTS.COM
The men's tennis team steamrolled their way to a perfect week.

Jays reign as top dog in Centennial Conf.

By SI YEON LEE
Staff Writer

Starting with a sweep over Franklin & Marshall at home, the men's tennis team has cruised to a remarkable six-match winning streak over the past two weeks. Last weekend, Hopkins hosted Swarthmore on Friday, battling to a 6-3 win, and won both of their matches with ease on Saturday. Their record boosted to 14-4 on the season and 8-0 in the conference.

Hopkins remains the only undefeated team in the Centennial Conference after Swarthmore lost to the Blue Jays. Hopkins opened with the lead as freshmen Michael Buxbaum and Emerson Walsh dominated their opponents en route to an 8-3 win in first doubles. At third, freshman Jeremy Dubin and junior Erik Lim carried the momentum in the battle between two powerhouses, prevailing with the 8-4 victory.

Swarthmore took one back in an agonizingly close match at second as sophomore Nicholas Garcia and junior Noah Joachim lost 9-7. Junior Sam Weissler quickly turned the tide for Hopkins, dropping just one game at sixth singles. Garcia's 6-2, 6-4 win at fourth brought them within one match of victory, and Lim clinched the match at fifth with a convincing 6-1, 6-3 win. Dubin struggled at third singles, losing 6-3, 6-2, and Buxbaum was unrelenting as he won 6-4, 6-3 at first. The last match of the day went back and forth before junior Ben Hwang took a 6-4 loss in the final set to fall 6-1, 1-6, 6-4, but Hopkins was able to celebrate their 6-3 match win.

On Saturday, Hopkins was able to sweep conference opponent Muhlenburg. The match opened at first doubles with junior Edward Corty and freshman Jeff Mackenzie jumping out to a 5-0 lead before winning 8-3.

"Ed and I were able to return well and make plenty of first serves, so we were able to win convincingly," Mackenzie said.

At third, senior Joonas Karjalainen and sophomore Nathan Law never let go of the lead as they also cruised to an 8-3 victory. Closing out doubles play, seniors German Gonzalez and Jeremy Schwartz looked determined as they hung on to a 9-7 win. In singles, Hopkins ceaselessly attacked the overwhelmed Muhlenburg, as Corty crushed his opponent 6-3, 6-1 at second.

"I could tell that he wasn't moving side to side well in singles so I started to take advantage of that

using angles," Corty said.

At third, Schwartz clinched the match with a smooth win, giving up just a game in each set. Mackenzie fought back after a tiebreaker loss in the first set to refocus and win the first singles match in three sets 6-7, 6-1, 10-5. Sophomore Chris Jou was able to dominate by focusing on returning his opponent's big serves, coasting to a 6-2, 6-2 win at fourth. With the match in the books, Karjalainen won easily at fifth, 6-2, 6-1, and Gonzalez took prevailed 6-4, 6-2 at sixth for the last match. The 9-0 win was a huge success for Hopkins.

"It is always difficult to come off a long bus ride and have the intensity immediately," Jou said. "However, I think that we went focused and had a good warm up, so we were ready for the matches."

At Mary Washington, Hopkins took command, dropping just one doubles match. Buxbaum and Walsh carried their triumph from Friday, again opening with an 8-3 win at first. Dubin and Lim put up another quick point on the boards as they defeated their opponent 8-2 at third. The last doubles match, at second, was another unfortunate loss for Garcia and Joachim, who once again fell just two games shy of victory.

Hopkins regained its force in the singles bracket, not giving up even one match. At first, Buxbaum led the team, winning 6-2, 6-4 in an almost effortless fashion. Dubin also had a secure cushion throughout his match, carrying his lead to a 6-4, 6-4 victory at third. The other matches were very tight, proving their focus in trying situations. Lim clinched the Hopkins victory at fifth, in which the second set went to a tiebreaker before he closed out the match, 6-4, 7-6 (7-3). At second, Hwang also needed to win a tiebreaker in the first set to seize the 7-6, 6-3 win. The fourth and sixth singles matches both went to three sets, with Weissler reigning victorious with a 6-3, 3-6, 6-3 win at sixth, and Garcia taking it down the wire before proving strong to win 6-2, 3-6, 7-6 (9-7).

With its wide array of talent, the men's tennis team has clinched the conference title, as well as the first seed in the conference tournament. The Jays will look to add to their six-match win streak as they visit North Carolina Wesleyan and conference opponent Washington College on the 26th in split-squad matches, also hoping to finish undefeated in the conference as they play their last conference match.

Bright future ahead for track

By ZACH ROBBINS
Staff Writer

The 13th ranked men's track and field team traveled to Chester, Pa. to compete in the Widener Invitational meet. Many Hopkins athletes had strong performances in this two-day meet to make it a successful weekend for the Jays.

On the first day, freshman Stuart Walters won the triple jump with a jump of 13.63 meters (44'8.75"). The jump broke the freshman record for the event of 13.44 meters (44'1.25") set in 2012 and was previously held by Michael Spadaro.

Fellow freshman Andrew Bartnett cleared 4.50 meters (14'9.25") in the pole vault for a share of the title with Villanova's Chris Dougherty.

"I was thinking going into this meet that I was going to continue to work to hit my goals for this year and at least clear 16 feet," Bartnett said. "Having not achieved this I had to go back through and assess what I did wrong so that I does not happen again. Each failure is a learning experience."

Junior Paul Vozzo placed third in the event, clearing 4.35 meters.

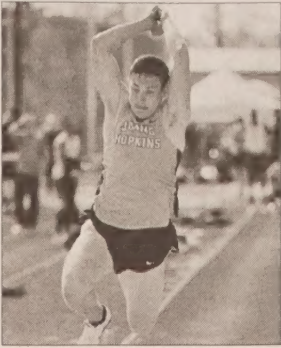
Junior Andrew Ceruzzi led the Jays in the 5000 meter run by finishing 10th overall with a time of 15:08.17.

"There were some really great performances and some other performances that indicate we still need to prepare very hard for conferences," Ceruzzi said. "The men are looking to finally win their first outdoor title and that is 100 percent the focus at this point. Moving forward, we are sending a large group of guys to Penn relays on Thursday to try and run national qualifying times. That will be very exciting."

On the second day of the Widener Invitational, senior Brendan Evans ran an 11.03 100 meter dash to place second overall. Walters was fourth in the event with a time of 11.16. Evans later would win the long jump with a distance of 6.54 meters (21'5.50"). Freshman Jesse Poore placed fifth overall in the 200 meter dash. His time of 22.76 was the fastest for Hopkins in the event. Senior Collin Rozanski finished second with a time of 49.84 in the 400 meter dash.

"This season my goal

has been to break 49 seconds in the 400 meter dash, being the second runner at Hopkins to do so in the school history, but unfortunately I did not have a



HOPKINSSPORTS.COM
Outdoor play is treating the Jays well.

up my slack though. Both Jesse Poore and [freshman] Ray Isales ran great times, and as a senior it is very comforting knowing that the event will be in their hands moving forwards."

Senior Julian Saliani finished fourth overall in the 1500 meter run, finishing in 3:54.88. Saliani's time now ranks 26th in the nation in all of Division III.

The Jays 4x100 relay team of Walters, Evans, Poore and junior Alex Naticchi placed second with a time of 42.85.

The track and field team will travel to Philadelphia to compete at the University of Pennsylvania in the Penn Relays this weekend, from April 24 to April 26.

York uses extras to top Blue Jays 6-5

BASEBALL, FROM B12
By the end of the fourth inning, the Jays led 8-0 and Williams efficiently sent down Ursinus batters in order.

Senior right-hander Ed Bryner came in to close out the game to secure a 14-3 victory.

Having played three games in two days, the Blue Jays had a small break on Sunday before hitting the road again to take on the York Spartans. For the second time in three games, the Blue Jays' fate was decided in extra innings. After taking the lead in the top of the tenth off of an RBI single from Carbone, the Jays clung to a 5-4 lead.

However, mistakes came back to bite Hopkins as an error in the field followed by two consecutive singles loaded the bases for the Spartans in the bottom of the tenth. Sophomore pitcher Ross Lazicky notched a strikeout and a groundout to get two outs, but his valiant effort was not enough to keep the Jays ahead. Senior Brad Wenzel played the role of hero for the Spartans as he cracked a single into centerfield that scored two runs and secured a 6-5 victory for York.

"We have to continue to be resilient and work hard deep into games," Friedman said. "This resiliency will be key down the road for the team."

Friedman pitched a very effective game for the Jays, going eight and two-thirds innings, while allowing four earned runs and striking out three.

The two teams matched up very evenly throughout the course of the game. Reynolds played another strong game for the Jays, going two for four on the day while scoring twice and driving in one run. Junior first baseman Jake Rogers also hit with a lot of power, notching two hits and one run scored. In the end, the offensive success of the team was not enough as the Spartans capitalized on timely errors by the Jays.

The boys will return to the field on Friday when they take on Washington College, a game which will have significant impact on the Jay's chances at making the Centennial Conference tournament.

"The motto our team adopted at the beginning of the season is 'All In,'" Friedman said. "We have done a great job coming together as a team. Now, the next four conference games are must-wins and I believe that we will find a way to be successful down the stretch."

W. Tennis routs Mules and Eagles

By ZACHERY OLAH
Sports Editor

As the season presses on, the women's tennis team has continued to improve from week to week. On Saturday, the Lady Jays topped Centennial Conference opponent Muhlenberg as well as 21st ranked Mary Washington. The two wins extended the team's win streak to six consecutive games.

In their rout of host Muhlenberg, Hopkins did not drop a set. Freshman Jody Law and senior Abby Clark started off the match with an 8-2 win at first doubles against Muhlenberg's Nina Sanders and Emily Szulman. Their performance was followed up by an 8-6 victory by juniors Kaitlin Pfisterer and Macie Wilkins at second. Playing in the third spot was senior Lauren Fields and freshman Anna Kankanala. Although the Mules put up a fight, they were no match for the Lady Jays as they fell 8-5 at third. At the conclusion of doubles, Hopkins had jumped out to a 3-0 lead.

Success continued in singles play for the team as they won their first matches in straight sets. Law had an impressive 6-2, 6-4 win at first followed by Clark, who managed to win ev-

ery game but one. At third, Kankanala was able to clinch the Blue Jay victory with a 6-2, 6-0 win over Jennifer Goldberg.

The Lady Jays won the remaining three matches to bring the final tally to 9-0 in favor of Hopkins.

The ladies who travelled to Fredericksburg found similar success against the



HOPKINSSPORTS.COM
Hogan is a stalwart in singles.

Mary Washington Eagles. Although the Blue Jays fell into an early hole after doubles, they were capable of rising up and dominating their singles matches.

Freshman Amanda Austi and senior Hailley Hogan fell 8-4 at first against the Eagles' Lindsay Raulston and Shelby Harris. Juniors Shannon Herndon and Stephanie Rettig unfortunately lost a hard fought battle with a score of 8-6 at second. Sophomore Olivia Kas-

ten and freshmen Ashnaa Rao scored the only Hopkins point of the doubles matches at third. They bested Mary Washington's Mackenzie Smith and Ashley Barrow by a score of 8-5

It looked as if the Lady Jays were in trouble as Austi dropped the first singles match leaving the score at 3-1 in favor of the Eagles. The tides changed quickly though as Rao notched the second Hopkins point at second. Hogan found similar success against Smith at third, tying the match up 3-3. At fourth, junior Elaine Baik clinched the victory with a 7-5, 6-1 win.

The final score of the match was 6-3, as the Lady Jays did not drop another match.

These two wins leave Hopkins with a 17-1 record overall and an impressive 8-0 in Centennial Conference play. The team is currently ranked third in the nation and hope to improve upon this Saturday, as the Blue Jays take on Swarthmore in Baltimore in the final match of the regular season. They look to cap off one of the most impressive seasons in program history and keep the momentum going as they prepare for the Centennial Conference Championships.

BLUE JAY SPORTS SCOREBOARD			
Men's Lacrosse	Women's Lacrosse	Baseball	Baseball
April 18, 2014 @ Navy W, 6-5	April 18, 2014 @ Penn State L, 12-10	April 18, 2014 vs. Gettysburg W, 2-0	April 21, 2014 @ York L, 6-5
April 23, 2014 vs. Villanova	April 23, 2014 @ Old Dominion	April 19, 2014 @ Ursinus (DH) L, 7-6; W 14-3	April 22, 2014 @ Washington College W, 8-6
Men's Tennis	Women's Track	Men's Track	Women's Tennis
April 18, 2014 vs. Swarthmore W, 6-3	April 18-19, 2014 @ Widener Invitational	April 18-19, 2014 @ Widener Invitational	April 19, 2014 @ Muhlenberg W, 9-0
April 19, 2014 @ Muhlenberg W, 9-0	5000 m: Stephens, 2nd 10,000 m: Van Doren, 3rd	Triple Jump: Walters, 1st Pole Vault: Bartnett, T-1st	April 19, 2014 @ Washington College W, 6-3

SPORTS

ATHLETE OF THE WEEK MAGGIE SHELTON - WOMEN'S TRACK

By **RACHEL COOK**
Staff Writer

The Hopkins women's track team had another impressive performance on April 18 at the Larry Ellis Invitational. Blue Jay senior Maggie Shelton had a record-breaking performance on Friday night, further cementing her place in the record books. Shelton finished the 800-meter race with a time of 2:07.29, beating the former Hopkins record set by Annie Monagle with a time of 2:08.73. Along with the Hopkins record, Shelton bested the conference record of Haverford's Annick Lamar, 2:08.15, that she set back in 2008, securing a spot in the Centennial Conference record books.

Shelton dominated her heat and finished seventh overall in a field loaded with Division I and club runners. After a season full of standout performances, Shelton is now ranked first in the nation in the 800-meter race.

Shelton was selected as the Centennial Conference Athlete of the Week, along with a teammate, senior Andrew Carey. This is Shelton's second selection of the year as the Centennial Track Athlete of the Week, after previously receiving the honor during the indoor season on Feb. 3.

Due to her record-breaking performance this past weekend and an incredible season throughout, *The News-Letter* has chosen Shelton to

receive the honor of Athlete of the Week. Shelton was able to take the time out of her busy schedule to generously answer a few questions for the paper:

The News-Letter: After finishing with a time of 2:07.29, you captured both the Hopkins and the Centennial Conference records. What does this accomplishment mean to you?

Maggie Shelton: That was a goal of mine for the season. I was very happy to break into the 2:07 range. I'd love to continue to bring that time down throughout the rest of the season.

N-L: What does your high success mean to your team as you move towards the end of your season?

MS: It will hopefully translate to more points at nationals. I think it shows Hopkins has more to it than an outstanding distance program. The success of Annie, Carey, Megan McDonald, myself and the DMRs proves that our training can produce very successful mid-distance athletes. And I think we will continue to see that success in the future from the up and coming mid-distance girls.

N-L: How has your coach inspired and/or motivated you throughout the season? Especially with your record-breaking performances?

MS: My coaches have motivated me to be more

confident in myself. They give me a lot of great opportunities to race a lot of very talented runners like Stanford, Princeton and Penn Relays.

N-L: You are currently ranked first in the nation in the 800-meter. What does this accomplishment mean to you? And what has motivated/guided you to get to this outstanding position?

MS: Hopefully this ranking will help me place highly at Nationals. I'll have some really good competition, especially from Wisconsin-Oshkosh, that I'm not discounting. But hopefully that should lead to really fast times at Nationals.

N-L: What are your team goals heading into the final weeks of the season?

MS: I want to the team as a whole to do their best at conferences. It would be great to see a day full of personal bests and

more medaling than last year.

N-L: This being your senior year, what has been the "greatest moment or the most "stand-out" moment from your time on the Hopkins women's track team?

MS: I went to California for the first time at the beginning of April with the track team. And we were all really excited about it, so we made a playlist of only songs about California and blasted the music on our trip from the airport to the hotel. The combination of being in California for the first and being accepted to a very competitive meet like Stanford was very cool.

Shelton and the rest of the Hopkins track and field programs will return to the action this weekend as they head to Philadelphia, Pa. and compete at the Penn Relays from April 24 - 26.



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Shelton took home CC Athlete of the Week honors for a second time.

Blue Jay Lacrosse wins pair over Navy, 'Nova

By **ZACH ZILBER**
Staff Writer

As the sun was setting on Homewood Field, the seventh-ranked Jays prepared to play their third game in nine days and their last at home. The visiting Villanova Wildcats were all that stood in the way of a potential five-game win streak.

One minute into the game, Villanova struck first. Just two minutes later, the Wildcats again took advantage of the gassed Jay defense to go up 2-0. Senior goalie Eric Schneider expressed disappointment in the early deficit.

"Obviously, we don't want to have a start like that," Schneider said. "I was hoping we would come out a little more fired up than that. This could be our last game on Homewood Field. I think we reset, took a deep breath, came out and just went back to basics."

Another two minutes would pass before Hopkins even got its first shot off. Then, three minutes later, the Jays took advantage of a Villanova turnover. Captain Rob Guida, senior, found himself with the ball and sprinted upfield. Guida then passed it to junior attackman Wells Stanwick, who quickly flipped it to senior attackman Brandon Benn who promptly scored the Jays' first goal.

A Hopkins penalty put the Wildcats up one man and they took advantage, scoring their third goal on just six shots. According to Head Coach Dave Pietramala, the team's defense did not come out with enough fire.

"I thought defensively early we just seemed a little out of sorts," Pietramala

said. "We were too spread out. I think as the game unfolded, rather than getting more spread out, we actually got tighter and tighter."

Following a point-blank save from Villanova's goalie, sophomore midfielder Holden Cattoni cut the lead to one. Another minute would pass before Guida tied the game at three, wiping out a holding call against the Wildcats in the process. Pietramala said tying the game up at the end of the first quarter proved very important for the Jays.

"When we got down 3-1, I think we answered the bell," Pietramala said. "We dug deep and got it to 3-3. When we tied it up, we breathed a sigh of relief."

The second quarter began with a goal from Cattoni, whose fake spin move completely fooled his defender. Guida pushed the lead to two with his second goal of the game just a few minutes later. Stanwick joined the scoring barrage with two goals of his own only a few minutes apart.

After a 14:56 drought, the Wildcats broke through with two goals before the half to cut the lead to 7-5. Stanwick emphasized the importance of entering the second half strong.

"We didn't want to panic," Stanwick said. "We knew that we'd been here a lot this year: coming out on top at halftime. Then, we had to come out with energy. That was tough for us earlier in the year. We lost some games after having a lead at halftime, and I think we've grown up a little bit in that sense."

Villanova began the third quarter with their third goal in a row to cut

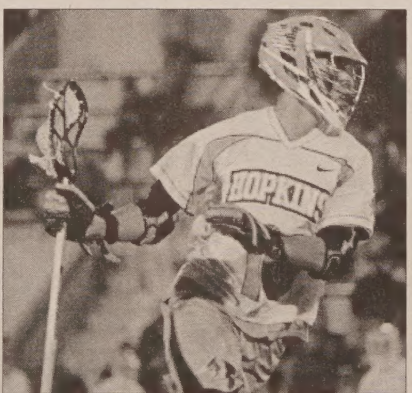
the lead to just one. That was as close as the Wildcats would get, however, as sophomore attackman Ryan Brown wrapped goals around one from the visitors to bring the score to 9-7. Stanwick then elicited wild applause from the crowd as he capped his hat trick by scoring from the ground after falling down. A strike from Benn with 0:00.4 left ended third quarter scoring.

The first eight minutes of the fourth quarter were quiet until sophomore midfielder Connor Reed broke through with his first goal of the game. A goal from Cattoni capped the scoring and secured a 13-7 Jay Victory.

The Hopkins defense held the opposing Wildcats scoreless for the last 22:15 of the game, and Schneider finished the day with 11 saves. That tally, however, was nothing compared to his game against Navy just five days prior.

In the game against the Midshipmen, Benn put the team on his back early on, netting a hat trick just three minutes into the second quarter to put his team up 3-1. Navy then wrapped goals around a score from Brown to end the half down 4-3.

Just 42 seconds would pass before Cattoni put Hopkins up 5-3. It was then that Benn scored his fourth



BRETT BRODSKY/PHOTOGRAPHY EDITOR
The Blue Jays secured their 10th win of the season.

goal of the game, securing his place in Hopkins history. The goal was the 100th of his career, making him just the 17th player in school history to reach the century mark.

The Midshipmen again ended the quarter's scoring to cut the lead to 6-4. Nearly 10 full minutes would pass into the fourth quarter before Navy cut the lead to one, but by then it was too late. The 6-5 Jay win came at the hands of Schneider, who made save after save, finishing the day with a whopping 17 total saves and compliments from his coach.

"Eric is an interesting guy," Pietramala said. "He's going to give one or two up that you look and you just shake your head and go, 'How did he give that up?' Then he's going to make one or two and you're going to go, 'How did he make that?'"

The two wins give Pietramala his 157th victory at Hopkins, leaving him just one shy of Bob Scott's record for most wins by a Hopkins men's lacrosse coach. The Jays will look to give their coach a share of the record in their final match against top-ranked Loyola.

W. Lax falls to Lions, defeats Old Dominion

By **IAN GUSTAFSON**
Staff Writer

Seventh-ranked Hopkins women's lacrosse fell 12-10 to 12th-ranked Penn State on the road on Friday night. The Jays were outscored 8-3 in the second half by the Nittany Lions, who moved to 9-6 on the season and 3-3 in American Lacrosse Conference Action. The Jays fell to 12-3 on the season and 2-3 in the ALC. Seniors Taylor D'Amore and Sammy Cermack collectively totaled 10 points in the losing effort.

The Jays got off to a hot start in Happy Valley, scoring three goals in the first seven minutes. The scoring began with Cermack, who caught a pass from D'Amore and went low on Nittany Lion's sophomore goalie Emi Smith for the score at 27:05. Senior Sarah Taylor then took a dump pass from junior Jen Cook, which she deposited over Smith's shoulder for yet another goal less than a minute later. With that shot, Taylor became the 16th player in Johns Hopkins Division I history to reach 100 points.

"My teammate Sarah Taylor scored the 100th point of her career, which was so awesome for her," Cermack said. "She has been a great midfielder for us the past four years, and it's so cool to see her reach that milestone. She is a great goal-scorer, and I am very happy for her accomplishment as a teammate and classmate."

D'Amore continued the early run for the Jays with a free position goal with 22:44 remaining in the half. The Nittany Lions stopped the bleeding with a Kristen Brent goal from seven yards out at the 20:29 mark. Sophomore Dene' DiMartino answered right back for Hopkins with a free position goal at 15:55 to make it 4-1. That free position goal gave DiMartino the school's single-season record in the category.

Eleven seconds later, Penn State's Jenna Moschetti won the draw and took it herself for the goal, but Cermack scored back-to-back goals less than three minutes apart to give the Jays a 6-2 lead with 10:33 remaining. Again, Penn State responded, as they sandwiched two goals around a D'Amore free position goal with 1:50 remaining in the half.

The second half was all Nittany Lions. Ally Heavens cut Penn State's deficit to two with a free position goal at 27:54. Madison Cyr then scored an incredible three goals in just 26 seconds to give Penn State their first lead of the game, 8-7. D'Amore responded for the Jays, rolling the crease and fir-

ing a shot past new Penn State goalie Cat Rainone at 22:24 to tie it up. Nearly nine minutes passed in long possessions by both teams before Kelly Lechner beat the Jays' freshman goalie Caroline Federico stick-side at 13:29 to give the Nittany Lions a 9-8 advantage.

Cermack fed Cook in the slot at 10:41 for a quick-stick goal to tie the game once again, but as they had done throughout the game, the Lions responded quickly, as Cyr scored for Penn State just 21 seconds later. Penn State then proceeded to win the ensuing face-off and draw out a long possession, draining precious minutes off the clock.

With 5:21 left, Cermack fired off a shot that Rainone saved, and Penn State took possession. After a 90-second Nittany Lion possession, Cermack forced a turnover that sophomore Caroline Turco picked up. Taylor got a great look off a hard dodge on the Jay possession, but Rainone made another clutch save.

Hopkins decided to pull the goalie and double-team the ball to try to force a turnover, but it backfired when Moschetti scored on an open cage with 1:04 remaining to give Penn State an 11-9 lead. D'Amore scored her fourth goal of the game on the Jays' next possession, but Penn State won the draw and ran off the clock until junior Jess Loizeaux scored on an open net with 6.6 seconds remaining in the game, sealing the Nittany Lion victory.

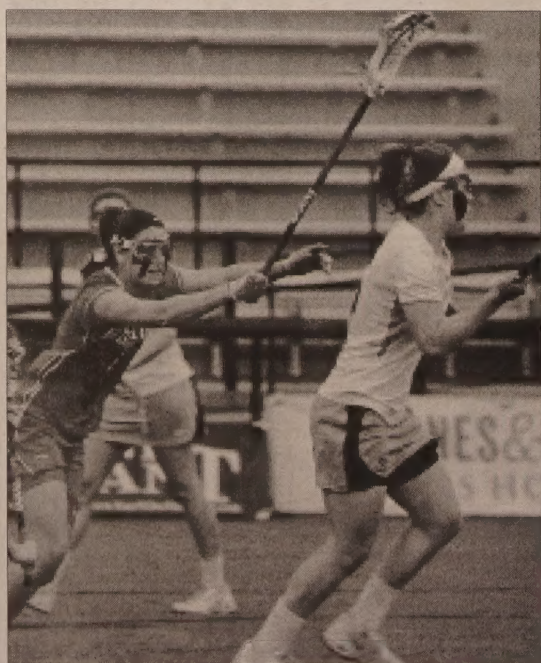
D'Amore led the way for the Jays, racking up four goals and six points, while Cermack chipped in three goals and four points. Cook also had two points. Federico corralled eight saves and two ground balls on the day.

"I think we will have no problem bouncing back from the Penn State loss," Cermack said. "This week, we have two games, and we plan on focusing on fixing the little things and working together better as an offensive unit. When our offense flows and everyone is involved, we are so fun to watch and very hard to stop, so we plan on getting back to that in ODU and then building on it for Ohio State on Saturday."

The Lady Jays took on Old Dominion University on Wednesday and came out victorious. After a slow start, the score was 4-4 at the end of the first half. The second half started an offensive explosion that led Hopkins to a 14-5 win.

Cermack led the way scoring a total of five goals.

Hopkins will host Ohio State Saturday at Homewood Field.



NANCY KIM/PHOTOGRAPHY STAFF
Cermack and A'more carried Hopkins against PSU and Old Dominion.

SPORTS

Did You Know?

Senior Andrew Carey of the men's track team continues his dominance of the Centennial Conference. He was named the CC AOTW for the third straight time.

CALENDAR

FRIDAY
Baseball @ Wash. College, 3:30 p.m.

SATURDAY
W. Tennis vs. Swarthmore, 11:00 a.m.
W. Lacrosse vs. Ohio State, 2:00 p.m.

Shelton breaks CC record in 800 meter

By ALEX PICANO
Staff Writer

The women's track team had a successful weekend at the Mount St. Mary's Multi's and at the Widener Invite.

Sophomore Paige Marsh won the heptathlon at the Mt. St. Mary's Multi Event. She beat her own score from a year ago by 300 points, finishing first for Hopkins. She was able to leap 1.59 meters in the high jump, and led the field in the 100 meter hurdles and javelin throw. She also had solid performances in the shot put, 200 meter dash, long jump, and 800 meter run.

"Winning the Heptathlon was a nice surprise for me as I hit a lot of top marks as well as a couple PRs," Marsh said. "I plan on working on my weaker events as much as possible before the conference meet in early May. As the end of the season approaches, our workouts are now focused on reaching top speeds and fine-tuning our technical abilities in the field events."

Hopkins also finished strong at the Widener Invitational, held in Chester, Pa. on April 19.

In the 100 meter dash, junior Kelley Hussey won in 12.65 seconds. Senior Emily Swenson came in third at 13.00 seconds, and sophomore Mary Kate Wallace came in fifth with a time of 13.15.

When asked about how the season was going, Wallace commented on the depth and chemistry of the team.

"The best part of this season has been working together as a team to achieve our goals," Wallace said. "We are lucky to have a team so large and with so much depth. Our coaches and captains work closely with each of us and their leadership, along with the motivation from the rest of the team, has led us to break many school records and achieve national ranking performances. Right now we have several athletes ranking in the top 50 in the country in their respective events."

In the 200 meter dash, sophomore Brynn Parsons finished first overall, while sophomore Em-

ily Nordquist, Hussey and Wallace took in ninth place through 11th place, respectively.

Nordquist spoke about how she prepared for the meet.

"I would say the main thing I do to prepare for meets, especially now that it's warmer, is to drink a lot of water the night before," Nordquist said. "And I always try to go to bed early. Now that the season is winding down we're working more on speed as a team. We already have the endurance; now we need to get faster, which is always fun because you finally get to see the results and purpose of all the long endurance training. The best part of the season is always being with the team. Track is a tough sport but the team really makes it worth it."

Freshman Veronica Boswell finished with the top time for the Blue Jays this season in the 3000 steeple chase.

"At Widener, we all competed really well," Boswell said. "It was a little nerve racking and fun for me personally because I ran my first 3000-steeplechase ... I honestly couldn't have asked for a better first collegiate season. There are always going to be personal goals you don't hit, but that's the nature of the sport, and it's what makes us want to keep getting better. I'll be sad to see this season go, but it's not over until it's over. Until then, we'll be getting in our last hard workouts, gearing up for conferences, and we'll definitely be sending several of our athletes on to the outdoor national championships."

In the javelin throw, Swenson won with a throw of 39.30 meters, while junior Stephanie Cabral came in second with a toss of 38.14 meters.

"It's been really fun working with my teammates John Stanton and Emily Swenson," Cabral said. "[Assistant Coach Jay Dunn] and them have been nothing but helpful. With conferences coming up in less than two weeks, it's good to see things finally start to come together."

You can catch the Blue Jays when they return to action at the Centennial Conference Championships in the first week of May.

Freshmen dominate in Widener Invitational



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A duo of freshmen took home victories at the Widener Invitational this past week. Freshman Andrew Barnett cleared 4.50 meters in the pole vault and tied for first in the event. Meanwhile, fellow freshman Stuart Walters grabbed sole possession of first place in the triple jump with a distance of 13.63 meters, breaking the freshman record in the process. Please see Page B10 for more details.

Women's Lacrosse: Crush Old Dominion

Coming off a tough loss against the Nittany Lions, the Hopkins women's lacrosse team bested Old Dominion 14-5, fueled by an impressive 10-goal second half. **Page B11**

Athlete of the Week: Maggie Shelton

After a gutsy performance in the 800 meter run, senior Maggie Shelton shattered the previous Centennial Conference record with a time of 2:07.29, besting many DI runners. **Page B11**

Men's Tennis: Undefeated in CC

The Hopkins men's tennis team continued to roll in conference play after defeating Muhlenberg and Washington College over the weekend, bringing their CC record to 8-0. **Page B10**

Jays victorious in 3-of-5 entering stretch run

By JASON PLUSH
Sports Editor

For the Hopkins baseball team, a busy schedule has become customary.

"The season has been crazy with the number of games we've played in such a short period of time," sophomore pitcher Colin Friedman said. "Overall, I think our team has done a tremendous job of handling the stress."

In a stretch of the season in which the mighty Jays are playing 26 games over a 30-day period, the boys in blue started off the weekend with a home game against the Gettysburg Bullets. Pitching was the name of the game on Friday afternoon as sophomore starting pitcher Carter Burns earned his fourth win of the season, pitching seven scoreless innings. Burns scattered three hits, walked three, and struck out five to get a well-deserved victory on the day.

"Carter was dominant on the mound," Friedman said. "He continues to do a great job in every game he pitches."

On the offensive side of the ball, the Blues Jays were quiet throughout the initial innings of the game. In fact, both teams struggled to find a rhythm on offense as neither pitcher gave up more than a single throughout the first four innings of the game. Gettysburg nearly took the lead early in the game when the leadoff hitter walked to begin the first inning. After two strikeouts by Burns, the cleanup hitter Nate Simon lined a single into right field. As the leadoff man rounded third base, sophomore Kyle Gillen relayed a dart from second base to senior catcher Jonathan Hettleman to tag the runner at home, allowing the Jays to narrowly avoid an early deficit.

As the pitchers continued to dominate, the game remained scoreless heading into the bottom half of the fifth inning. Freshman Conor Reynolds led off the inning with a single down the left field line, giving the Jays their first man on base in two innings.

As senior Richie Carbone

sixth and seventh innings before head coach Bob Babb called in senior closer Zach Augustine to pitch the eighth and ninth. Augustine performed admirably in the eighth as he forced the Bullets to ground into a double play and leave a man on base to end the inning. After striking out his first batter

in the ninth, Augustine surrendered a walk before an error in the field, giving the Bullets two men on base with only one out. With Gettysburg primed to score, Augustine forced a lineout and a pop fly, securing the victory for the Jays and earning his second save of the season.

The win gave the Blue Jays their fourth consecutive win of the season and snapped a 23 game winning streak for the Bullets.

"It was great to pickup a win and end Gettysburg's winning streak," Friedman said. "A loss in this game would have almost ended our chances of earning a spot in the conference tournament."

While the Blue Jays savored the victory against the Bullets for the night, the boys went immediately back to work on Saturday morning when they traveled to Collegeville, Pa. to take Ursinus in a doubleheader.

The first game of the day proved to be a heartbreaker for the Jays, as Ursinus capped off a four-

run rally in the bottom of the tenth inning to top Hopkins 7-6. The winning run walked in from third base after a pitch hit by the batter at the plate. Hopkins was unable to keep up the momentum after gaining a 6-3 advantage in the top of the eighth inning.

Friedman commented on the small mistakes that the team is working on correcting for upcoming games.

"I feel like so many of our close losses this year have been a product of us beating ourselves," he said. "I think if we eliminate these mental errors, we will find a way to be successful. I am confident in our team and our ability to get the job done."

While the first game proved to be a tough one to swallow, the Blue Jays came back for the second game of the doubleheader with a reinvigorated spirit. The offense erupted for 15 hits and 13 runs batted in as the Blue Jays crushed the Bears by a final score of 14-3. Leading the way for the Jays was junior Craig Hoelzer, who finished the game 4 for 5, notching four singles and four runs scored. Senior Mike Denlinger was also stellar as he smacked one single and two doubles while scoring twice and batting in four runs. Sophomore Trevor Williams was fantastic on the mound, striking out eight batters while allowing only one run through eight innings of work.

Despite their troubles at the plate in the previous two games, the Jays bested the Bear's pitching staff early and often, as the team scored five runs in the first inning. Denlinger and sophomore Raul Shah led the way, driving in two runs respectively in the first frame to give the Jays an early advantage.

SEE BASEBALL, PAGE B10



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Several Lady Jays broke records on Saturday at the Widener Invitational.